PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
PRIMARY SURFACE PENETRATION GROUP								
5467	PRIMARY	TREE	N34° 43' 54.21"	W112° 02' 06.55"	30.1	3,565.3		TRIM/REMOVE
5539	PRIMARY	TREE	N34° 43' 26.63"	W112° 01' 57.30"	22.9	3,582.8		TRIM/REMOVE
5777	PRIMARY	GROUND	N34° 44' 01.20"	W112° 02' 14.27"	3.0	3,529.7		GRADE
5785	PRIMARY	GROUND	N34° 44' 04.93"	W112° 02' 16.26"	0.8	3,523.7		GRADE
5801	PRIMARY	GROUND	N34° 44' 05.14"	W112° 02' 18.20"	2.7	3,524.8		GRADE
5809	PRIMARY	GROUND	N34° 44' 02.46"	W112° 02' 16.71"	4.0	3,528.9		GRADE
5817	PRIMARY	GROUND	N34° 44' 00.66"	W112° 02' 15.45"	5.4	3,532.2		GRADE
5825	PRIMARY	GROUND	N34° 43' 53.65"	W112° 02' 12.72"	6.8	3,540.5		GRADE
5833	PRIMARY	GROUND	N34° 43' 58.63"	W112° 02' 15.47"	7.3	3,535.8		GRADE
5841	PRIMARY	GROUND	N34° 43' 56.69"	W112° 02' 14.41"	8.1	3,538.6		GRADE
5857	PRIMARY	GROUND	N34° 43' 55.51"	W112° 02' 12.19"	3.6	3,535.8		GRADE
5945	PRIMARY	GROUND	N34° 43' 58.19"	W112° 02' 13.50"	3.8	3,533.4		GRADE
5977	PRIMARY	GROUND	N34° 43' 42.33"	W112° 02' 04.83"	0.5	3,546.3		GRADE
5985	PRIMARY	GROUND	N34° 43' 44.84"	W112° 02' 06.31"	1.0	3,544.2		GRADE
5993	PRIMARY	GROUND	N34° 43' 46.80"	W112° 02' 07.39"	1.5	3,542.7		GRADE
6001	PRIMARY	GROUND	N34° 43' 48.94"	W112° 02' 08.53"	2.0	3,541.0		GRADE
6009	PRIMARY	GROUND	N34° 43' 51.08"	W112° 02' 09.73"	2.6	3,539.4		GRADE
6017	PRIMARY	GROUND	N34° 43' 53.00"	W112° 02' 10.76"	2.9	3,537.7		GRADE
6113	PRIMARY	TREE	N34° 43' 42.61"	W112° 02' 06.22"	11.6	3,556.7		TRIM/REMOVE
6636	PRIMARY	GROUND	N34° 43' 40.62"	W112° 02' 03.89"	0.3	3,547.9		GRADE
6644	PRIMARY	GROUND	N34° 43' 38.76"	W112° 02' 02.91"	0.7	3,550.1		GRADE
6652	PRIMARY	GROUND	N34° 43' 36.57"	W112° 02' 01.71"	0.1	3,551.8		GRADE
6676	PRIMARY	GROUND	N34° 43' 34.39"	W112° 02' 00.55"	0.0	3,554.0		GRADE
6724	PRIMARY	TREE	N34° 43' 33.60"	W112° 02' 01.12"	12.5	3,566.9		TRIM/REMOVE
6772	PRIMARY	TREE	N34° 43' 37.04"	W112° 02' 03.18"	17.5	3,568.3		TRIM/REMOVE
7671	PRIMARY	WINDSOCK	N34° 44' 08.19"	W112° 02' 14.88"	10.8	3,531.4	18.9	PROVIDE OL
7679	PRIMARY	SIGN	N34° 44' 07.01"	W112° 02' 18.42"	2.6	3,523.1	2.9	DNH
7703	PRIMARY	FENCE	N34° 44' 08.03"	W112° 02' 19.62"	9.8	3,529.0	7.2	REMOVE/LOWER/PROVIDE OL
7711	PRIMARY	FENCE	N34° 44' 09.20"	W112° 02' 20.26"	8.5	3,526.5	6.6	REMOVE/LOWER/PROVIDE OL
7925	PRIMARY	TREE	N34° 43' 27.98"	W112° 01' 53.51"	16.5	3,576.3		TRIM/REMOVE
7933	PRIMARY	TREE	N34° 43' 29.23"	W112° 01' 53.63"	10.2	3,570.5		TRIM/REMOVE
7941	PRIMARY	TREE	N34° 43' 26.25"	W112° 01' 52.58"	14.6	3,573.8		TRIM/REMOVE
7949	PRIMARY	TREE	N34° 43' 26.27"	W112° 01' 52.77"	9.0	3,568.3		TRIM/REMOVE
7957	PRIMARY	TREE	N34° 43' 26.17"	W112° 01' 52.11"	11.1	3,570.2		TRIM/REMOVE
7965	PRIMARY	TREE	N34° 43' 26.03"	W112° 01' 52.18"	12.2	3,571.3		TRIM/REMOVE
7973	PRIMARY	TREE	N34° 43' 26.34"	W112° 01' 52.12"	9.1	3,568.3		TRIM/REMOVE
7981	PRIMARY	TREE	N34° 43' 25.64"	W112° 01' 52.20"	11.7	3,570.7		TRIM/REMOVE
7989	PRIMARY	TREE	N34° 43' 25.61"	W112° 01' 52.38"	12.1	3,571.1		TRIM/REMOVE
7997	PRIMARY	TREE	N34° 43' 25.42"	W112° 01' 52.28"	13.3	3,572.2		TRIM/REMOVE
8005	PRIMARY	TREE	N34° 43' 25.15"	W112° 01' 51.94"	10.3	3,569.1		TRIM/REMOVE
8013	PRIMARY	TREE	N34° 43' 25.33"	W112° 01' 51.73"	10.8	3,569.6		TRIM/REMOVE
8021	PRIMARY	TREE	N34° 43' 24.49"	W112° 01' 51.35"	15.7	3,574.2		TRIM/REMOVE
8029	PRIMARY	TREE	N34° 43' 24.43"	W112° 01' 51.53"	15.9	3,574.4		TRIM/REMOVE
8037	PRIMARY	TREE	N34° 43' 24.28"	W112° 01' 51.02"	14.2	3,572.7		TRIM/REMOVE
8067	PRIMARY	TREE	N34° 43' 28.15"	W112° 01' 57.15"	5.6	3,565.9		TRIM/REMOVE
8075	PRIMARY	TREE	N34° 43' 25.50"	W112° 01' 56.57"	17.4	3,576.8		TRIM/REMOVE
8083	PRIMARY	TREE	N34° 43' 24.29"	W112° 01' 56.05"	28.5	3,587.5		TRIM/REMOVE
8091	PRIMARY	TREE	N34° 43' 24.09"	W112° 01' 54.91"	15.7	3,574.5		TRIM/REMOVE
8099	PRIMARY	TREE	N34° 43' 22.68"	W112° 01' 55.59"	16.0	3,574.5		TRIM/REMOVE
8107	PRIMARY	TREE	N34° 43' 22.94"	W112° 01' 55.38"	17.5	3,576.0		TRIM/REMOVE
8115	PRIMARY	TREE	N34° 43' 22.97"	W112° 01' 55.24"	14.8	3,573.3		TRIM/REMOVE
8123	PRIMARY	TREE	N34° 43' 22.76"	W112° 01' 54.81"	13.9	3,572.3		TRIM/REMOVE
8187	PRIMARY	TREE	N34° 43' 23.23"	W112° 01' 54.07"	13.0	3,571.5		TRIM/REMOVE
8195	PRIMARY	TREE	N34° 43' 23.06"	W112° 01' 54.26"	13.0	3,571.4		TRIM/REMOVE
8203	PRIMARY	TREE	N34° 43' 23.19"	W112° 01' 53.56"	14.5	3,572.9		TRIM/REMOVE
8211	PRIMARY	TREE	N34° 43' 23.12"	W112° 01' 53.76"	14.8	3,573.2		TRIM/REMOVE
8219	PRIMARY	FENCE	N34° 43' 23.19"	W112° 01' 54.27"	14.0	3,572.5	7.8	REMOVE/LOWER/PROVIDE OL
8227	PRIMARY	FENCE	N34° 43' 22.77"	W112° 01' 55.40"	15.1	3,573.6	6.8	REMOVE/LOWER/PROVIDE OL
8937	PRIMARY	TREE	N34° 43' 24.60"	W112° 01' 54.34"	11.0	3,569.9		TRIM/REMOVE
8945	PRIMARY	TREE	N34° 43' 24.25"	W112° 01' 53.87"	10.8	3,569.6		TRIM/REMOVE
12062	PRIMARY	TREE	N34° 43' 27.64"	W112° 01' 58.15"	17.6	3,577.8		TRIM/REMOVE
45390	PRIMARY	TREE	N34° 43' 42.49"	W112° 02' 01.42"	15.2	3,561.9		TRIM/REMOVE
45398	PRIMARY	TREE	N34° 43' 41.32"	W112° 02' 00.74"	16.9	3,564.9		TRIM/REMOVE
45406	PRIMARY	TREE	N34° 43' 44.40"	W112° 02' 02.62"	15.1	3,559.8		TRIM/REMOVE
45414	PRIMARY	TREE	N34° 43' 46.16"	W112° 02' 03.60"	10.6	3,553.5		TRIM/REMOVE
45422	PRIMARY	TREE	N34° 43' 48.66"	W112° 02' 04.97"	8.7	3,549.1		TRIM/REMOVE
45483	PRIMARY	FENCE	N34° 44' 07.05"	W112° 02' 19.08"	9.1	3,529.3	7.5	REMOVE/LOWER/PROVIDE OL
45491	PRIMARY	REIL	N34° 44' 07.13"	W112° 02' 17.88"	2.4	3,522.9	3.3	DNH
45499	PRIMARY	REIL	N34° 44' 07.74"	W112° 02' 16.25"	0.5	3,521.0	3.5	DNH
55952	PRIMARY	TREE	N34° 43' 36.65"	W112° 01' 57.69"	8.0	3,560.9		TRIM/REMOVE
55960	PRIMARY	TREE	N34° 43' 34.96"	W112° 01' 57.50"	11.4	3,565.9		TRIM/REMOVE
55968	PRIMARY	TREE	N34° 43' 33.69"	W112° 01' 56.19"	6.0	3,561.9		TRIM/REMOVE
55976	PRIMARY	TREE	N34° 43' 32.48"	W112° 01' 56.14"	11.4	3,568.3		TRIM/REMOVE
55984	PRIMARY	TREE	N34° 43' 31.28"	W112° 01' 54.80"	13.1	3,571.6		TRIM/REMOVE
56085	PRIMARY	REIL	N34° 43' 28.47"	W112° 01' 57.23"	2.2	3,562.3	2.8	DNH
56093	PRIMARY	SIGN	N34° 43' 28.26"	W112° 01' 57.48"	2.8	3,563.0	3.4	DNH
56101	PRIMARY	REIL	N34° 43' 29.41"	W112° 01' 54.66"	0.9	3,561.0	3.1	DNH
56109	PRIMARY	GATE	N34° 43' 29.71"	W112° 01' 53.69"	4.3	3,564.4	8.1	REMOVE/LOWER/PROVIDE OL
56118	PRIMARY	VERTICAL_POINT	N34° 43' 29.66"	W112° 01' 53.76"	1.2	3,561.4	4.5	REMOVE/LOWER/PROVIDE OL

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
PRIMARY SURFACE PENETRATION GROUP *(CONT.)*								
56133	PRIMARY	TREE	N34° 43' 24.69"	W112° 01' 53.90"	10.2	3,569.1		TRIM/REMOVE
56141	PRIMARY	TREE	N34° 43' 25.08"	W112° 01' 54.52"	9.0	3,568.1		TRIM/REMOVE
56149	PRIMARY	TREE	N34° 43' 26.09"	W112° 01' 51.99"	9.6	3,568.7		TRIM/REMOVE
59823	PRIMARY	TREE	N34° 43' 28.04"	W112° 01' 53.06"	7.9	3,567.7		TRIM/REMOVE
59831	PRIMARY	TREE	N34° 43' 28.11"	W112° 01' 53.41"	8.3	3,568.2		TRIM/REMOVE
59839	PRIMARY	TREE	N34° 43' 28.50"	W112° 01' 53.41"	11.6	3,571.5		TRIM/REMOVE
59847	PRIMARY	TREE	N34° 43' 28.39"	W112° 01' 53.26"	9.1	3,569.1		TRIM/REMOVE
59855	PRIMARY	TREE	N34° 43' 28.66"	W112° 01' 53.60"	4.7	3,564.7		TRIM/REMOVE
59863	PRIMARY	TREE	N34° 43' 28.39"	W112° 01' 53.75"	6.4	3,566.3		TRIM/REMOVE
59871	PRIMARY	TREE	N34° 43' 28.52"	W112° 01' 53.93"	3.1	3,563.1		TRIM/REMOVE
59879	PRIMARY	TREE	N34° 43' 28.81"	W112° 01' 54.04"	11.8	3,571.9		TRIM/REMOVE
59887	PRIMARY	TREE	N34° 43' 29.01"	W112° 01' 54.12"	7.4	3,567.6		TRIM/REMOVE
59895	PRIMARY	TREE	N34° 43' 28.88"	W112° 01' 54.21"	6.5	3,566.7		TRIM/REMOVE
59903	PRIMARY	TREE	N34° 43' 28.85"	W112° 01' 53.90"	5.6	3,565.7		TRIM/REMOVE
59911	PRIMARY	TREE	N34° 43' 29.22"	W112° 01' 53.95"	6.3	3,566.6		TRIM/REMOVE
59919	PRIMARY	TREE	N34° 43' 29.17"	W112° 01' 54.20"	3.4	3,563.6		TRIM/REMOVE
59927	PRIMARY	SCRUB	N34° 43' 28.69"	W112° 01' 53.36"	1.4	3,561.4		TRIM/REMOVE
59951	PRIMARY	SCRUB	N34° 43' 30.38"	W112° 01' 54.24"	1.4	3,560.8		TRIM/REMOVE
59975	PRIMARY	TREE	N34° 43' 31.80"	W112° 01' 55.55"	7.0	3,564.7		TRIM/REMOVE
59983	PRIMARY	TREE	N34° 43' 31.86"	W112° 01' 55.36"	6.7	3,564.5		TRIM/REMOVE
59991	PRIMARY	TREE	N34° 43' 31.55"	W112° 01' 55.37"	4.2	3,562.3		TRIM/REMOVE
59999	PRIMARY	TREE	N34° 43' 31.65"	W112° 01' 55.47"	3.5	3,561.4		TRIM/REMOVE
60007	PRIMARY	TREE	N34° 43' 31.60"	W112° 01' 55.55"	4.1	3,562.0		TRIM/REMOVE
60015	PRIMARY	TREE	N34° 43' 31.64"	W112° 01' 55.65"	4.9	3,562.8		TRIM/REMOVE
60023	PRIMARY	TREE	N34° 43' 31.07"	W112° 01' 55.18"	6.7	3,565.2		TRIM/REMOVE
60031	PRIMARY	TREE	N34° 43' 31.18"	W112° 01' 55.14"	4.7	3,563.1		TRIM/REMOVE
60039	PRIMARY	TREE	N34° 43' 31.01"	W112° 01' 54.96"	9.2	3,567.8		TRIM/REMOVE
60047	PRIMARY	TREE	N34° 43' 31.09"	W112° 01' 54.80"	8.1	3,566.7		TRIM/REMOVE
60055	PRIMARY	TREE	N34° 43' 31.06"	W112° 01' 54.67"	8.1	3,566.7		TRIM/REMOVE
60063	PRIMARY	TREE	N34° 43' 30.50"	W112° 01' 54.63"	5.7	3,564.9		TRIM/REMOVE
60071	PRIMARY	TREE	N34° 43' 30.61"	W112° 01' 54.70"	4.0	3,563.0		TRIM/REMOVE
60079	PRIMARY	TREE	N34° 43' 30.65"	W112° 01' 54.88"	3.8	3,562.8		TRIM/REMOVE
60087	PRIMARY	TREE	N34° 43' 30.70"	W112° 01' 54.77"	3.7	3,562.6		TRIM/REMOVE
60095	PRIMARY	TREE	N34° 43' 30.51"	W112° 01' 54.83"	5.8	3,564.9		TRIM/REMOVE
60103	PRIMARY	TREE	N34° 43' 30.36"	W112° 01' 54.78"	2.1	3,561.3		TRIM/REMOVE
60111	PRIMARY	TREE	N34° 43' 32.10"	W112° 01' 55.75"	6.4	3,563.9		TRIM/REMOVE
60119	PRIMARY	TREE	N34° 43' 32.27"	W112° 01' 55.42"	7.0	3,564.4		TRIM/REMOVE
60127	PRIMARY	TREE	N34° 43' 32.21"	W112° 01' 55.30"	2.6	3,560.0		TRIM/REMOVE
60135	PRIMARY	TREE	N34° 43' 32.41"	W112° 01' 55.47"	1.7	3,558.9		TRIM/REMOVE
60143	PRIMARY	TREE	N34° 43' 32.49"	W112° 01' 55.65"	6.1	3,563.3		TRIM/REMOVE
60151	PRIMARY	TREE	N34° 43' 32.55"	W112° 01' 55.51"	8.1	3,565.2		TRIM/REMOVE
60159	PRIMARY	TREE	N34° 43' 32.73"	W112° 01' 55.77"	6.1	3,563.0		TRIM/REMOVE
60167	PRIMARY	TREE	N34° 43' 32.58"	W112° 01' 55.82"	6.3	3,563.3		TRIM/REMOVE
60175	PRIMARY	TREE	N34° 43' 32.15"	W112° 01' 55.93"	4.2	3,561.5		TRIM/REMOVE
60183	PRIMARY	TREE	N34° 43' 32.36"	W112° 01' 55.83"	1.4	3,558.6		TRIM/REMOVE
60191	PRIMARY	TREE	N34° 43' 32.32"	W112° 01' 55.70"	0.7	3,557.9		TRIM/REMOVE
60199	PRIMARY	TREE	N34° 43' 32.63"	W112° 01' 55.99"	3.6	3,560.5		TRIM/REMOVE
60207	PRIMARY	TREE	N34° 43' 32.62"	W112° 01' 56.18"	3.1	3,559.9		TRIM/REMOVE
60215	PRIMARY	TREE	N34° 43' 32.79"	W112° 01' 56.23"	4.5	3,561.1		TRIM/REMOVE
60223	PRIMARY	TREE	N34° 43' 33.12"	W112° 01' 56.51"	5.0	3,561.3		TRIM/REMOVE
60231	PRIMARY	TREE	N34° 43' 33.26"	W112° 01' 56.58"	4.9	3,561.0		TRIM/REMOVE
60239	PRIMARY	TREE	N34° 43' 33.24"	W112° 01' 56.44"	2.8	3,559.0		TRIM/REMOVE
60247	PRIMARY	TREE	N34° 43' 33.20"	W112° 01' 56.27"	0.9	3,557.2		TRIM/REMOVE
60255	PRIMARY	TREE	N34° 43' 33.29"	W112° 01' 56.27"	0.4	3,556.7		TRIM/REMOVE
60263	PRIMARY	TREE	N34° 43' 33.70"	W112° 01' 56.64"	2.3	3,558.1		TRIM/REMOVE
60271	PRIMARY	TREE	N34° 43' 33.84"	W112° 01' 56.32"	3.8	3,559.5		TRIM/REMOVE
60279	PRIMARY	TREE	N34° 43' 33.74"	W112° 01' 56.07"	4.1	3,560.0		TRIM/REMOVE
60287	PRIMARY	TREE	N34° 43' 33.94"	W112° 01' 56.22"	0.2	3,556.0		TRIM/REMOVE
60295	PRIMARY	TREE	N34° 43' 33.94"	W112° 01' 56.39"	1.2	3,556.8		TRIM/REMOVE
60303	PRIMARY	TREE	N34° 43' 34.20"	W112° 01' 56.37"	2.7	3,558.2		TRIM/REMOVE
60319	PRIMARY	TREE	N34° 43' 34.19"	W112° 01' 56.85"	1.4	3,556.7		TRIM/REMOVE
60327	PRIMARY	TREE	N34° 43' 34.26"	W112° 01' 57.03"	4.2	3,559.4		TRIM/REMOVE
60335	PRIMARY	TREE	N34° 43' 34.33"	W112° 01' 56.77"	4.6	3,559.8		TRIM/REMOVE
60343	PRIMARY	TREE	N34° 43' 34.53"	W112° 01' 56.61"	4.2	3,559.3		TRIM/REMOVE
60351	PRIMARY	TREE	N34° 43' 34.71"	W112° 01' 56.81"	2.0	3,556.8		TRIM/REMOVE
60359	PRIMARY	TREE	N34° 43' 34.80"	W112° 01' 56.97"	8.6	3,563.4		TRIM/REMOVE
60367	PRIMARY	TREE	N34° 43' 34.94"	W112° 01' 56.99"	5.2	3,559.8		TRIM/REMOVE
60375	PRIMARY	TREE	N34° 43' 35.09"	W112° 01' 56.85"	8.1	3,562.6		TRIM/REMOVE
60383	PRIMARY	TREE	N34° 43' 35.18"	W112° 01' 56.91"	4.7	3,559.2		TRIM/REMOVE
60391	PRIMARY	TREE	N34° 43' 34.83"	W112° 01' 57.34"	8.7	3,563.3		TRIM/REMOVE
60399	PRIMARY	TREE	N34° 43' 34.69"	W112° 01' 57.24"	9.4	3,564.1		TRIM/REMOVE
60407	PRIMARY	TREE	N34° 43' 35.06"	W112° 01' 57.42"	8.5	3,562.9		TRIM/REMOVE
60415	PRIMARY	TREE	N34° 43' 35.25"	W112° 01' 57.63"	7.1	3,561.3		TRIM/REMOVE
60423	PRIMARY	TREE	N34° 43' 35.40"	W112° 01' 57.72"	5.9	3,559.9		TRIM/REMOVE
60431	PRIMARY	TREE	N34° 43' 35.36"	W112° 01' 57.62"	2.5	3,556.6		TRIM/REMOVE
60439	PRIMARY	TREE	N34° 43' 35.50"	W112° 01' 57.36"	3.2	3,557.2		TRIM/REMOVE
60447	PRIMARY	TREE	N34° 43' 35.58"	W112° 01' 57.43"	1.8	3,555.7		TRIM/REMOVE
60455	PRIMARY	TREE	N34° 43' 35.53"	W112° 01' 57.23"	4.1	3,558.2		TRIM/REMOVE
60463	PRIMARY	TREE	N34° 43' 35.49"	W112° 01' 57.12"	2.8	3,556.9		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
PRIMARY SURFACE PENETRATION GROUP *(CONT.)*								
60471	PRIMARY	TREE	N34° 43' 35.40"	W112° 01' 57.19"	2.2	3,556.3		TRIM/REMOVE
60487	PRIMARY	TREE	N34° 43' 35.72"	W112° 01' 57.27"	1.9	3,555.7		TRIM/REMOVE
60495	PRIMARY	TREE	N34° 43' 36.13"	W112° 01' 57.44"	6.6	3,560.0		TRIM/REMOVE
60503	PRIMARY	TREE	N34° 43' 36.20"	W112° 01' 57.62"	5.7	3,559.0		TRIM/REMOVE
60511	PRIMARY	TREE	N34° 43' 35.84"	W112° 01' 57.77"	6.2	3,559.8		TRIM/REMOVE
60519	PRIMARY	TREE	N34° 43' 35.95"	W112° 01' 58.04"	5.4	3,558.8		TRIM/REMOVE
60527	PRIMARY	TREE	N34° 43' 36.07"	W112° 01' 58.00"	5.0	3,558.3		TRIM/REMOVE
60535	PRIMARY	TREE	N34° 43' 36.14"	W112° 01' 58.11"	5.9	3,559.2		TRIM/REMOVE
60543	PRIMARY	TREE	N34° 43' 36.43"	W112° 01' 58.02"	6.7	3,559.7		TRIM/REMOVE
60551	PRIMARY	TREE	N34° 43' 36.57"	W112° 01' 57.86"	3.8	3,556.7		TRIM/REMOVE
60559	PRIMARY	TREE	N34° 43' 36.63"	W112° 01' 57.97"	4.3	3,557.2		TRIM/REMOVE
60567	PRIMARY	TREE	N34° 43' 36.72"	W112° 01' 57.89"	3.1	3,556.0		TRIM/REMOVE
60575	PRIMARY	TREE	N34° 43' 36.85"	W112° 01' 58.09"	3.7	3,556.3		TRIM/REMOVE
60583	PRIMARY	TREE	N34° 43' 36.94"	W112° 01' 58.26"	5.6	3,558.1		TRIM/REMOVE
60591	PRIMARY	TREE	N34° 43' 37.06"	W112° 01' 57.98"	2.6	3,555.1		TRIM/REMOVE
60599	PRIMARY	TREE	N34° 43' 36.77"	W112° 01' 58.27"	3.6	3,556.2		TRIM/REMOVE
60607	PRIMARY	TREE	N34° 43' 36.69"	W112° 01' 58.18"	3.3	3,556.1		TRIM/REMOVE
60615	PRIMARY	TREE	N34° 43' 36.57"	W112° 01' 58.19"	2.6	3,555.5		TRIM/REMOVE
60623	PRIMARY	SIGN	N34° 43' 30.07"	W112° 01' 54.95"	1.1	3,560.5	3.1	DNH
60631	PRIMARY	SIGN	N34° 43' 29.71"	W112° 01' 57.10"	1.6	3,560.7	2.8	DNH
60639	PRIMARY	SIGN	N34° 43' 29.53"	W112° 01' 57.65"	2.9	3,561.9	3.6	DNH
60647	PRIMARY	SIGN	N34° 43' 29.41"	W112° 01' 57.67"	2.8	3,561.9	3.2	DNH
60655	PRIMARY	PAPI	N34° 43' 35.68"	W112° 02' 00.76"	1.3	3,554.1	3.5	DNH
60663	PRIMARY	PAPI	N34° 43' 35.60"	W112° 02' 00.97"	1.3	3,554.1	2.1	DNH
60671	PRIMARY	PAPI_CONTROL_BOX	N34° 43' 35.72"	W112° 02' 01.04"	1.8	3,554.5	2.7	DNH
60727	PRIMARY	TREE	N34° 43' 26.38"	W112° 01' 57.22"	15.9	3,575.6		TRIM/REMOVE
60735	PRIMARY	TREE	N34° 43' 26.28"	W112° 01' 57.38"	19.8	3,579.6		TRIM/REMOVE
60743	PRIMARY	TREE	N34° 43' 26.49"	W112° 01' 57.53"	17.5	3,577.4		TRIM/REMOVE
60751	PRIMARY	TREE	N34° 43' 26.68"	W112° 01' 57.50"	17.5	3,577.4		TRIM/REMOVE
60759	PRIMARY	TREE	N34° 43' 26.76"	W112° 01' 57.31"	18.5	3,578.4		TRIM/REMOVE
60767	PRIMARY	TREE	N34° 43' 26.83"	W112° 01' 57.59"	18.4	3,578.4		TRIM/REMOVE
60775	PRIMARY	TREE	N34° 43' 26.88"	W112° 01' 57.71"	16.9	3,576.9		TRIM/REMOVE
60783	PRIMARY	TREE	N34° 43' 26.71"	W112° 01' 57.73"	17.4	3,577.4		TRIM/REMOVE
60791	PRIMARY	TREE	N34° 43' 27.16"	W112° 01' 57.89"	15.8	3,575.9		TRIM/REMOVE
60799	PRIMARY	TREE	N34° 43' 27.26"	W112° 01' 58.02"	14.5	3,574.6		TRIM/REMOVE
60807	PRIMARY	TREE	N34° 43' 27.35"	W112° 01' 57.94"	15.2	3,575.4		TRIM/REMOVE
60815	PRIMARY	TREE	N34° 43' 27.49"	W112° 01' 58.02"	15.7	3,575.9		TRIM/REMOVE
60823	PRIMARY	TREE	N34° 43' 27.53"	W112° 01' 58.23"	16.9	3,577.1		TRIM/REMOVE
60831	PRIMARY	TREE	N34° 43' 27.47"	W112° 01' 58.16"	15.2	3,575.4		TRIM/REMOVE
60839	PRIMARY	TREE	N34° 43' 27.87"	W112° 01' 58.33"	15.7	3,575.9		TRIM/REMOVE
60847	PRIMARY	TREE	N34° 43' 27.87"	W112° 01' 58.48"	14.1	3,574.3		TRIM/REMOVE
60871	PRIMARY	TREE	N34° 43' 28.30"	W112° 01' 58.36"	11.2	3,571.0		TRIM/REMOVE
60879	PRIMARY	TREE	N34° 43' 29.98"	W112° 01' 59.38"	14.1	3,572.2		TRIM/REMOVE
60887	PRIMARY	TREE	N34° 43' 30.35"	W112° 01' 59.56"	12.1	3,569.8		TRIM/REMOVE
60895	PRIMARY	TREE	N34° 43' 30.62"	W112° 01' 59.54"	11.5	3,568.9		TRIM/REMOVE
60903	PRIMARY	TREE	N34° 43' 30.59"	W112° 01' 59.69"	11.4	3,568.8		TRIM/REMOVE
60911	PRIMARY	TREE	N34° 43' 32.33"	W112° 02' 00.45"	11.5	3,567.2		TRIM/REMOVE
60919	PRIMARY	TREE	N34° 43' 32.61"	W112° 02' 00.99"	15.2	3,570.6		TRIM/REMOVE
60943	PRIMARY	TREE	N34° 43' 34.25"	W112° 02' 01.63"	13.1	3,566.8		TRIM/REMOVE
60951	PRIMARY	TREE	N34° 43' 34.24"	W112° 02' 02.10"	14.8	3,568.3		TRIM/REMOVE
60959	PRIMARY	TREE	N34° 43' 34.89"	W112° 02' 02.46"	21.1	3,574.0		TRIM/REMOVE
60975	PRIMARY	TREE	N34° 43' 37.04"	W112° 02' 03.35"	15.6	3,566.3		TRIM/REMOVE
60983	PRIMARY	TREE	N34° 43' 37.05"	W112° 02' 03.48"	13.5	3,564.2		TRIM/REMOVE
61151	PRIMARY	TREE	N34° 43' 37.66"	W112° 02' 03.50"	8.5	3,558.7		TRIM/REMOVE
61159	PRIMARY	TREE	N34° 43' 37.46"	W112° 02' 03.32"	9.7	3,560.2		TRIM/REMOVE
61167	PRIMARY	TREE	N34° 43' 38.05"	W112° 02' 03.57"	12.0	3,561.9		TRIM/REMOVE
61175	PRIMARY	TREE	N34° 43' 38.11"	W112° 02' 03.82"	8.9	3,558.7		TRIM/REMOVE
61183	PRIMARY	TREE	N34° 43' 38.01"	W112° 02' 03.99"	7.7	3,557.4		TRIM/REMOVE
61191	PRIMARY	TREE	N34° 43' 38.22"	W112° 02' 03.67"	7.5	3,557.2		TRIM/REMOVE
61199	PRIMARY	TREE	N34° 43' 38.41"	W112° 02' 03.79"	10.2	3,559.7		TRIM/REMOVE
61207	PRIMARY	TREE	N34° 43' 38.17"	W112° 02' 04.15"	3.7	3,553.2		TRIM/REMOVE
61215	PRIMARY	TREE	N34° 43' 38.41"	W112° 02' 04.32"	9.9	3,559.2		TRIM/REMOVE
61223	PRIMARY	TREE	N34° 43' 38.62"	W112° 02' 03.96"	5.0	3,554.2		TRIM/REMOVE
61231	PRIMARY	TREE	N34° 43' 38.74"	W112° 02' 04.13"	9.3	3,558.4		TRIM/REMOVE
61239	PRIMARY	TREE	N34° 43' 38.87"	W112° 02' 04.23"	4.5	3,553.5		TRIM/REMOVE
61247	PRIMARY	TREE	N34° 43' 39.00"	W112° 02' 04.20"	11.1	3,559.9		TRIM/REMOVE
61255	PRIMARY	TREE	N34° 43' 39.11"	W112° 02' 04.26"	4.7	3,553.5		TRIM/REMOVE
61263	PRIMARY	TREE	N34° 43' 39.22"	W112° 02' 04.32"	6.1	3,554.7		TRIM/REMOVE
61271	PRIMARY	TREE	N34° 43' 39.37"	W112° 02' 04.40"	6.0	3,554.5		TRIM/REMOVE
61279	PRIMARY	TREE	N34° 43' 39.47"	W112° 02' 04.34"	5.3	3,553.7		TRIM/REMOVE
61287	PRIMARY	TREE	N34° 43' 39.48"	W112° 02' 04.50"	2.9	3,551.2		TRIM/REMOVE
61295	PRIMARY	TREE	N34° 43' 40.31"	W112° 02' 04.72"	9.1	3,556.7		TRIM/REMOVE
61303	PRIMARY	TREE	N34° 43' 39.89"	W112° 02' 05.13"	11.6	3,559.4		TRIM/REMOVE
61519	PRIMARY	TREE	N34° 43' 41.19"	W112° 02' 05.74"	7.7	3,554.2		TRIM/REMOVE
61527	PRIMARY	TREE	N34° 43' 41.50"	W112° 02' 05.81"	7.5	3,553.7		TRIM/REMOVE
61535	PRIMARY	TREE	N34° 43' 41.83"	W112° 02' 05.96"	15.0	3,560.9		TRIM/REMOVE
61543	PRIMARY	TREE	N34° 43' 41.83"	W112° 02' 05.81"	9.3	3,555.2		TRIM/REMOVE
61551	PRIMARY	TREE	N34° 43' 41.19"	W112° 02' 05.42"	4.9	3,551.5		TRIM/REMOVE
61559	PRIMARY	TREE	N34° 43' 41.06"	W112° 02' 05.38"	4.3	3,551.0		TRIM/REMOVE

NOTES

1. SURVEY PERFORMED JULY 2020.
2. PART 77 SURFACES BASED ON 14 CFR PART 77.
3. PART 77 APPROACH SURFACES SHOWN ON SHEET 34 - INNER PORTION OF THE APPROACH SURFACE DRAWING; PART 77 APPROACH SURFACE OBSTRUCTIONS LISTED ON SHEETS 35-36.
4. TRAVERSEWAY ELEVATIONS INCLUDE THE FOLLOWING ADJUSTMENTS: PRIVATE ROADS: 10', PUBLIC ROADS: 15'. NO INTERSTATE HIGHWAYS OR RAILROADS ARE LOCATED IN THE IMMEDIATE VICINITY OF THE AIRPORT.
5. SURVEY IDENTIFIED A TOTAL OF 6,298 OBSTRUCTIONS TO PART 77 SURFACES, NOT INCLUDING PART 77 APPROACH SURFACES. OBSTRUCTIONS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT TOP 2% OF PENETRATIONS TO EACH PART 77 SURFACE.
6. OBSTRUCTION GROUPS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT APPROXIMATE LOCATION OF ALL OBSTRUCTIONS. COMPREHENSIVE LISTS OF OBSTRUCTIONS TO EACH PART 77 SURFACE, NOT INCLUDING PART 77 APPROACH SURFACES, ARE INCLUDED ON SHEETS 7-33.
7. OBSTRUCTION DESCRIPTIONS ARE GROUPED IN THE SUMMARY TABLE ON SHEET 6 - AIRPORT AIRSPACE DRAWING PER THE FOLLOWING: VEGETATION = BUSH, SCRUB, TREE; GROUND = GROUND; BUILDINGS/HANGARS = BUILDING, HANGAR; POLES/TOWERS = ANTENNA, BEACON, POLE, POLE_LIGHT, POLE_UTIL, POST, TRANSMISSION_PYLON, VERTICAL_POINT; NAVAIDS = PAPI, PAPI_CONTROL_BOX, REIL, SIGN, WINDSOCK; GROUND TRANSPORTATION = PARKING_LOT, ROAD - PRIVATE, ROAD - PUBLIC, STREET SIGN; UTILITY INFRASTRUCTURE = A/G PIPE, DAM, ELEC_BOX, MISC_UTIL, SOLAR_PANELS, TANK, TRANSFORMER; FENCE = FENCE, GATE; OTHER = CANOPY, DIRT_PILE, WALL
8. ALL HEIGHTS SHOWN IN FEET.
9. OBSTRUCTION HEIGHT ABOVE GROUND LEVEL PROVIDED WHERE AVAILABLE.
10. DEFINITIONS: PEN = PENETRATION; MSL = MEAN SEA LEVEL; AGL = ABOVE GROUND LEVEL; OL = OBSTRUCTION LIGHTING; DNH = DETERMINATION OF NO HAZARD

NO.	DATE	REVISIONS	BY	APPR.
5				
4				
3				
2				
1				

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COTTONWOOD MUNICIPAL AIRPORT
COTTONWOOD, AZ

AIRPORT AIRSPACE DRAWING - PART 77 SURFACE PENETRATION TABLES (1 OF 27)

JOB NO. 291447000	DRAWN KH	CHECKED CBW	SHEET 7 OF 40
DATE: DECEMBER 2022	DESIGNED JTC	APPROVED CBW	

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
PRIMARY SURFACE PENETRATION GROUP *(CONT.)*								
61567	PRIMARY	TREE	N34° 43' 40.83"	W112° 02' 05.28"	3.1	3,550.0		TRIM/REMOVE
61575	PRIMARY	TREE	N34° 43' 42.18"	W112° 02' 06.12"	10.4	3,556.0		TRIM/REMOVE
61583	PRIMARY	TREE	N34° 43' 42.26"	W112° 02' 06.13"	7.8	3,553.2		TRIM/REMOVE
61591	PRIMARY	TREE	N34° 43' 42.52"	W112° 02' 06.43"	9.3	3,554.5		TRIM/REMOVE
61599	PRIMARY	TREE	N34° 43' 42.60"	W112° 02' 06.64"	8.7	3,553.7		TRIM/REMOVE
61607	PRIMARY	TREE	N34° 43' 43.10"	W112° 02' 06.40"	10.3	3,555.0		TRIM/REMOVE
61615	PRIMARY	TREE	N34° 43' 43.18"	W112° 02' 06.51"	11.2	3,555.7		TRIM/REMOVE
61623	PRIMARY	TREE	N34° 43' 43.12"	W112° 02' 06.86"	9.5	3,554.0		TRIM/REMOVE
61631	PRIMARY	TREE	N34° 43' 43.31"	W112° 02' 06.85"	8.9	3,553.2		TRIM/REMOVE
61639	PRIMARY	TREE	N34° 43' 43.48"	W112° 02' 06.60"	14.4	3,558.7		TRIM/REMOVE
61647	PRIMARY	TREE	N34° 43' 43.85"	W112° 02' 06.82"	11.8	3,555.7		TRIM/REMOVE
61655	PRIMARY	TREE	N34° 43' 43.75"	W112° 02' 07.01"	9.6	3,553.5		TRIM/REMOVE
61663	PRIMARY	TREE	N34° 43' 43.87"	W112° 02' 07.38"	9.8	3,553.5		TRIM/REMOVE
61671	PRIMARY	TREE	N34° 43' 44.05"	W112° 02' 07.39"	11.7	3,555.2		TRIM/REMOVE
61679	PRIMARY	TREE	N34° 43' 44.28"	W112° 02' 07.56"	10.0	3,553.2		TRIM/REMOVE
62167	PRIMARY	TREE	N34° 43' 45.01"	W112° 02' 07.76"	11.9	3,554.5		TRIM/REMOVE
62199	PRIMARY	TREE	N34° 43' 45.21"	W112° 02' 08.07"	9.4	3,551.7		TRIM/REMOVE
62207	PRIMARY	TREE	N34° 43' 45.31"	W112° 02' 08.00"	9.0	3,551.2		TRIM/REMOVE
62215	PRIMARY	TREE	N34° 43' 45.46"	W112° 02' 07.86"	15.3	3,557.4		TRIM/REMOVE
62223	PRIMARY	TREE	N34° 43' 45.70"	W112° 02' 07.82"	11.2	3,553.2		TRIM/REMOVE
62231	PRIMARY	TREE	N34° 43' 45.90"	W112° 02' 07.86"	13.4	3,555.2		TRIM/REMOVE
62239	PRIMARY	TREE	N34° 43' 45.97"	W112° 02' 08.07"	11.1	3,552.7		TRIM/REMOVE
62247	PRIMARY	TREE	N34° 43' 46.29"	W112° 02' 08.13"	9.1	3,550.5		TRIM/REMOVE
62255	PRIMARY	TREE	N34° 43' 46.54"	W112° 02' 08.42"	17.6	3,558.7		TRIM/REMOVE
62319	PRIMARY	TREE	N34° 43' 46.11"	W112° 02' 08.60"	11.6	3,553.0		TRIM/REMOVE
62375	PRIMARY	TREE	N34° 43' 47.91"	W112° 02' 09.53"	17.1	3,556.7		TRIM/REMOVE
62383	PRIMARY	TREE	N34° 43' 46.91"	W112° 02' 08.54"	14.1	3,554.8		TRIM/REMOVE
62391	PRIMARY	TREE	N34° 43' 47.10"	W112° 02' 09.17"	15.4	3,555.7		TRIM/REMOVE
62431	PRIMARY	TREE	N34° 43' 49.55"	W112° 02' 10.52"	20.5	3,558.3		TRIM/REMOVE
62439	PRIMARY	TREE	N34° 43' 50.24"	W112° 02' 10.81"	26.0	3,563.1		TRIM/REMOVE
62447	PRIMARY	TREE	N34° 43' 50.59"	W112° 02' 10.99"	19.6	3,556.4		TRIM/REMOVE
62455	PRIMARY	TREE	N34° 43' 50.99"	W112° 02' 11.12"	21.3	3,557.7		TRIM/REMOVE
62463	PRIMARY	TREE	N34° 43' 51.24"	W112° 02' 11.22"	22.5	3,558.7		TRIM/REMOVE
62471	PRIMARY	TREE	N34° 43' 51.48"	W112° 02' 11.33"	21.3	3,557.2		TRIM/REMOVE
62647	PRIMARY	TREE	N34° 43' 47.68"	W112° 02' 09.27"	14.6	3,554.5		TRIM/REMOVE
62655	PRIMARY	TREE	N34° 43' 40.45"	W112° 02' 05.44"	6.9	3,554.1		TRIM/REMOVE
63433	PRIMARY	POLE	N34° 43' 40.71"	W112° 01' 59.56"	5.1	3,554.0	7.9	REMOVE/LOWER/PROVIDE OL
63441	PRIMARY	POLE	N34° 43' 40.79"	W112° 01' 59.48"	5.2	3,554.0	8.3	REMOVE/LOWER/PROVIDE OL
63449	PRIMARY	POLE	N34° 43' 40.79"	W112° 01' 59.43"	4.3	3,553.1	7.2	REMOVE/LOWER/PROVIDE OL
63457	PRIMARY	TANK	N34° 43' 40.61"	W112° 01' 59.52"	3.5	3,552.5	6.3	DNH
63465	PRIMARY	TANK	N34° 43' 40.76"	W112° 01' 59.60"	2.9	3,551.7	5.8	DNH
63473	PRIMARY	FENCE	N34° 43' 40.82"	W112° 01' 59.81"	3.8	3,552.5	7.4	REMOVE/LOWER/PROVIDE OL
63529	PRIMARY	STREET_SIGN	N34° 43' 52.77"	W112° 02' 05.88"	7.4	3,544.0	8.4	REMOVE/LOWER/PROVIDE OL
63537	PRIMARY	STREET_SIGN	N34° 43' 52.77"	W112° 02' 06.34"	7.9	3,544.4	8.8	REMOVE/LOWER/PROVIDE OL
63545	PRIMARY	STREET_SIGN	N34° 43' 55.87"	W112° 02' 07.44"	10.8	3,544.3	10.8	REMOVE/LOWER/PROVIDE OL
63553	PRIMARY	STREET_SIGN	N34° 43' 57.31"	W112° 02' 08.84"	10.3	3,542.0	10.1	REMOVE/LOWER/PROVIDE OL
63561	PRIMARY	STREET_SIGN	N34° 44' 01.73"	W112° 02' 11.28"	11.0	3,538.2	10.3	REMOVE/LOWER/PROVIDE OL
63585	PRIMARY	STREET_SIGN	N34° 44' 10.05"	W112° 02' 15.39"	1.4	3,520.2	9.9	REMOVE/LOWER/PROVIDE OL
63649	PRIMARY	ROAD - PRIVATE	N34° 43' 48.73"	W112° 02' 03.89"	2.2	3,552.9	10.0	DNH
63657	PRIMARY	ROAD - PRIVATE	N34° 43' 49.74"	W112° 02' 04.46"	5.2	3,554.8	10.0	DNH
63665	PRIMARY	ROAD - PRIVATE	N34° 43' 50.74"	W112° 02' 05.01"	7.6	3,556.2	10.0	DNH
63673	PRIMARY	ROAD - PRIVATE	N34° 43' 51.78"	W112° 02' 05.58"	8.7	3,556.2	10.0	DNH
63681	PRIMARY	ROAD - PRIVATE	N34° 43' 52.83"	W112° 02' 06.13"	9.4	3,555.8	10.0	DNH
63689	PRIMARY	ROAD - PRIVATE	N34° 43' 53.88"	W112° 02' 06.73"	9.7	3,555.1	10.0	DNH
63697	PRIMARY	ROAD - PRIVATE	N34° 43' 54.89"	W112° 02' 07.28"	10.0	3,554.4	10.0	DNH
63705	PRIMARY	ROAD - PRIVATE	N34° 43' 55.61"	W112° 02' 07.67"	10.0	3,553.6	10.0	DNH
63721	PRIMARY	ROAD - PRIVATE	N34° 43' 56.78"	W112° 02' 08.32"	0.4	3,552.7	10.0	DNH
63729	PRIMARY	ROAD - PRIVATE	N34° 43' 57.92"	W112° 02' 08.93"	0.4	3,551.6	10.0	DNH
63737	PRIMARY	ROAD - PRIVATE	N34° 43' 58.97"	W112° 02' 09.53"	10.5	3,550.6	10.0	DNH
63745	PRIMARY	ROAD - PRIVATE	N34° 43' 59.97"	W112° 02' 10.08"	10.8	3,549.9	10.0	DNH
63753	PRIMARY	ROAD - PRIVATE	N34° 44' 00.97"	W112° 02' 10.60"	11.2	3,549.3	10.0	DNH
63761	PRIMARY	ROAD - PRIVATE	N34° 44' 02.02"	W112° 02' 11.20"	10.7	3,547.7	10.0	DNH
63769	PRIMARY	ROAD - PRIVATE	N34° 44' 03.03"	W112° 02' 11.75"	8.5	3,544.5	10.0	DNH
63777	PRIMARY	ROAD - PRIVATE	N34° 44' 04.07"	W112° 02' 12.33"	6.0	3,540.9	10.0	DNH
63785	PRIMARY	ROAD - PRIVATE	N34° 44' 05.17"	W112° 02' 12.93"	3.0	3,536.8	10.0	DNH
63793	PRIMARY	ROAD - PRIVATE	N34° 44' 06.31"	W112° 02' 13.55"	0.6	3,533.2	10.0	DNH
63801	PRIMARY	ROAD - PRIVATE	N34° 44' 07.37"	W112° 02' 14.15"	1.1	3,532.6	10.0	DNH
63809	PRIMARY	ROAD - PRIVATE	N34° 44' 08.27"	W112° 02' 14.65"	1.9	3,532.4	10.0	DNH
63817	PRIMARY	ROAD - PRIVATE	N34° 44' 09.34"	W112° 02' 15.22"	2.0	3,531.5	10.0	DNH
63825	PRIMARY	ROAD - PRIVATE	N34° 44' 10.36"	W112° 02' 15.79"	1.2	3,529.6	10.0	DNH
64033	PRIMARY	FENCE	N34° 43' 50.45"	W112° 02' 05.11"	3.6	3,542.4	6.4	REMOVE/LOWER/PROVIDE OL
64041	PRIMARY	FENCE	N34° 43' 51.52"	W112° 02' 05.69"	4.7	3,542.4	6.3	REMOVE/LOWER/PROVIDE OL
64049	PRIMARY	FENCE	N34° 43' 52.50"	W112° 02' 06.24"	5.2	3,541.9	6.6	REMOVE/LOWER/PROVIDE OL
64057	PRIMARY	FENCE	N34° 43' 53.56"	W112° 02' 06.82"	5.6	3,541.2	5.9	REMOVE/LOWER/PROVIDE OL
64065	PRIMARY	FENCE	N34° 43' 54.63"	W112° 02' 07.40"	5.8	3,540.3	6.2	REMOVE/LOWER/PROVIDE OL

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
PRIMARY SURFACE PENETRATION GROUP *(CONT.)*								
64073	PRIMARY	FENCE	N34° 43' 55.78"	W112° 02' 08.04"	6.3	3,539.7	6.6	REMOVE/LOWER/PROVIDE OL
64081	PRIMARY	FENCE	N34° 43' 56.77"	W112° 02' 08.59"	5.9	3,538.2	5.8	REMOVE/LOWER/PROVIDE OL
64089	PRIMARY	FENCE	N34° 43' 57.93"	W112° 02' 09.22"	6.5	3,537.6	6.1	REMOVE/LOWER/PROVIDE OL
64097	PRIMARY	FENCE	N34° 43' 58.91"	W112° 02' 09.76"	7.2	3,537.3	6.6	REMOVE/LOWER/PROVIDE OL
64105	PRIMARY	FENCE	N34° 44' 00.05"	W112° 02' 10.39"	7.9	3,536.8	6.6	REMOVE/LOWER/PROVIDE OL
64113	PRIMARY	FENCE	N34° 44' 01.10"	W112° 02' 10.96"	7.9	3,535.7	6.4	REMOVE/LOWER/PROVIDE OL
64121	PRIMARY	FENCE	N34° 44' 02.33"	W112° 02' 11.64"	7.0	3,533.6	6.6	REMOVE/LOWER/PROVIDE OL
64129	PRIMARY	FENCE	N34° 44' 03.46"	W112° 02' 12.26"	5.2	3,530.6	6.6	REMOVE/LOWER/PROVIDE OL
64137	PRIMARY	FENCE	N34° 44' 04.51"	W112° 02' 12.84"	1.8	3,526.2	6.3	REMOVE/LOWER/PROVIDE OL
64361	PRIMARY	FENCE	N34° 43' 28.02"	W112° 01' 52.77"	1.4	3,561.1	6.1	REMOVE/LOWER/PROVIDE OL
64369	PRIMARY	FENCE	N34° 43' 27.06"	W112° 01' 52.25"	0.5	3,559.9	6.1	REMOVE/LOWER/PROVIDE OL
64377	PRIMARY	FENCE	N34° 43' 26.11"	W112° 01' 51.72"	1.6	3,560.7	6.3	REMOVE/LOWER/PROVIDE OL
64385	PRIMARY	FENCE	N34° 43' 25.15"	W112° 01' 51.19"	3.0	3,561.8	7.1	REMOVE/LOWER/PROVIDE OL
64393	PRIMARY	FENCE	N34° 43' 23.74"	W112° 01' 52.81"	4.6	3,563.1	6.1	REMOVE/LOWER/PROVIDE OL
64617	PRIMARY	SIGN	N34° 43' 48.61"	W112° 02' 05.35"	4.5	3,544.8	5.3	DNH
64625	PRIMARY	SIGN	N34° 43' 39.56"	W112° 02' 00.37"	2.7	3,552.3	5.1	DNH
64633	PRIMARY	SIGN	N34° 43' 42.62"	W112° 02' 04.20"	2.1	3,547.9	2.8	DNH
64641	PRIMARY	SIGN	N34° 43' 43.49"	W112° 02' 05.37"	3.5	3,548.1	3.2	DNH
64649	PRIMARY	SIGN	N34° 43' 43.72"	W112° 02' 04.81"	1.8	3,546.4	3.1	DNH
64657	PRIMARY	SIGN	N34° 43' 57.63"	W112° 02' 10.31"	5.1	3,536.1	4.8	DNH
64665	PRIMARY	PAPI_CONTROL_BOX	N34° 44' 00.87"	W112° 02' 11.94"	4.0	3,531.8	3.7	DNH
64673	PRIMARY	PAPI	N34° 44' 01.01"	W112° 02' 12.07"	3.3	3,530.9	2.7	DNH
64681	PRIMARY	PAPI	N34° 44' 00.90"	W112° 02' 12.35"	3.6	3,531.2	3.0	DNH
64689	PRIMARY	SIGN	N34° 44' 00.04"	W112° 02' 13.78"	6.4	3,534.3	3.5	DNH
64697	PRIMARY	SIGN	N34° 43' 59.96"	W112° 02' 14.36"	7.4	3,535.1	3.8	DNH
64705	PRIMARY	SIGN	N34° 44' 00.83"	W112° 02' 15.13"	7.4	3,534.1	3.5	DNH
64713	PRIMARY	SIGN	N34° 44' 00.92"	W112° 02' 15.61"	6.7	3,533.3	3.2	DNH
64721	PRIMARY	SIGN	N34° 44' 06.28"	W112° 02' 18.30"	3.5	3,524.6	3.6	DNH
64729	PRIMARY	SIGN	N34° 44' 05.99"	W112° 02' 18.43"	4.0	3,525.3	3.1	DNH
64737	PRIMARY	SIGN	N34° 44' 06.37"	W112° 02' 17.26"	2.8	3,524.1	3.6	DNH
64905	PRIMARY	FENCE	N34° 43' 30.68"	W112° 01' 54.24"	3.6	3,562.8	6.8	REMOVE/LOWER/PROVIDE OL
64961	PRIMARY	FENCE	N34° 43' 38.21"	W112° 01' 58.37"	3.3	3,554.7	7.3	REMOVE/LOWER/PROVIDE OL
64977	PRIMARY	FENCE	N34° 43' 39.47"	W112° 01' 59.06"	5.2	3,555.3	7.5	REMOVE/LOWER/PROVIDE OL
64985	PRIMARY	FENCE	N34° 43' 28.93"	W112° 01' 53.26"	2.1	3,562.1	7.7	REMOVE/LOWER/PROVIDE OL
64993	PRIMARY	TREE	N34° 43' 37.84"	W112° 02' 04.02"	3.8	3,553.7		TRIM/REMOVE
65009	PRIMARY	TREE	N34° 43' 49.36"	W112° 02' 10.03"	15.1	3,553.2		TRIM/REMOVE
65121	PRIMARY	STREET_SIGN	N34° 44' 07.12"	W112° 02' 13.76"	0.3	3,522.2	9.7	REMOVE/LOWER/PROVIDE OL
65129	PRIMARY	TREE	N34° 44' 07.26"	W112° 02' 13.74"	0.9	3,522.7		TRIM/REMOVE
65233	PRIMARY	BUSH	N34° 44' 04.96"	W112° 02' 12.50"	1.4	3,525.5		TRIM/REMOVE
65465	PRIMARY	SCRUB	N34° 44' 10.95"	W112° 02' 16.40"	0.2	3,517.9		TRIM/REMOVE
65545	PRIMARY	TREE	N34° 44' 05.90"	W112° 02' 14.45"	7.6	3,530.2		TRIM/REMOVE
65553	PRIMARY	TREE	N34° 44' 05.76"	W112° 02' 14.21"	6.4	3,529.2		TRIM/REMOVE
65561	PRIMARY	TREE	N34° 44' 05.00"	W112° 02' 13.89"	4.6	3,528.2		TRIM/REMOVE
65569	PRIMARY	TREE	N34° 44' 04.74"	W112° 02' 13.77"	12.3	3,536.1		TRIM/REMOVE
65577	PRIMARY	TREE	N34° 44' 04.50"	W112° 02' 13.79"	11.3	3,535.4		TRIM/REMOVE
65609	PRIMARY	TREE	N34° 44' 03.30"	W112° 02' 12.63"	9.2	3,534.7		TRIM/REMOVE
65625	PRIMARY	TREE	N34° 44' 01.79"	W112° 02' 10.69"	11.6	3,539.0		TRIM/REMOVE
65633	PRIMARY	TREE	N34° 44' 01.86"	W112° 02' 10.82"	11.1	3,538.4		TRIM/REMOVE
66672	PRIMARY	TREE	N34° 43' 27.80"	W112° 01' 53.16"	6.8	3,566.6		TRIM/REMOVE
66680	PRIMARY	TREE	N34° 43' 27.90"	W112° 01' 53.12"	6.7	3,566.5		TRIM/REMOVE
66688	PRIMARY	TREE	N34° 43' 27.61"	W112° 01' 52.90"	8.8	3,568.4		TRIM/REMOVE
66696	PRIMARY	TREE	N34° 43' 27.43"	W112° 01' 53.07"	8.1	3,567.7		TRIM/REMOVE
66704	PRIMARY	TREE	N34° 43' 27.50"	W112° 01' 53.26"	14.5	3,574.1		TRIM/REMOVE
66712	PRIMARY	TREE	N34° 43' 27.20"	W112° 01' 53.07"	12.0	3,571.5		TRIM/REMOVE
66720	PRIMARY	TREE	N34° 43' 27.19"	W112° 01' 52.94"	8.7	3,568.2		TRIM/REMOVE
66728	PRIMARY	TREE	N34° 43' 27.25"	W112° 01' 52.65"	9.4	3,568.9		TRIM/REMOVE
66736	PRIMARY	TREE	N34° 43' 27.06"	W112° 01' 52.47"	6.0	3,565.5		TRIM/REMOVE
66744	PRIMARY	TREE	N34° 43' 27.00"	W112° 01' 52.66"	7.3	3,566.7		TRIM/REMOVE
66752	PRIMARY	TREE	N34° 43' 26.89"	W112° 01' 52.47"	8.2	3,567.6		TRIM/REMOVE
66760	PRIMARY	TREE	N34° 43' 26.88"	W112° 01' 52.67"	5.2	3,564.6		TRIM/REMOVE
66768	PRIMARY	TREE	N34° 43' 26.78"	W112° 01' 52.98"	5.6	3,565.0		TRIM/REMOVE
66776	PRIMARY	TREE	N34° 43' 26.16"	W112° 01' 52.38"	7.9	3,567.1		TRIM/REMOVE
66784	PRIMARY	TREE	N34° 43' 28.04"	W112° 01' 57.73"	8.9	3,569.2		TRIM/REMOVE
66792	PRIMARY	TREE	N34° 43' 28.85"	W112° 01' 58.79"	12.7	3,571.9		TRIM/REMOVE
66800	PRIMARY	TREE	N34° 43' 29.45"	W112° 01' 59.06"	12.9	3,571.5		TRIM/REMOVE
66840	PRIMARY	TREE	N34° 43' 28.56"	W112° 01' 58.98"	13.4	3,572.8		TRIM/REMOVE
66848	PRIMARY	TREE	N34° 43' 30.77"	W112° 01' 59.56"	10.0	3,567.3		TRIM/REMOVE
66856	PRIMARY	TREE	N34° 43' 32.24"	W112° 02' 00.88"	13.4	3,569.1		TRIM/REMOVE
66864	PRIMARY	TREE	N34° 43' 32.30"	W112° 02' 00.73"	12.7	3,568.3		TRIM/REMOVE
66872	PRIMARY	TREE	N34° 43' 31.87"	W112° 02' 00.58"	13.1	3,569.2		TRIM/REMOVE
66880	PRIMARY	TREE	N34° 43' 31.09"	W112° 01' 59.95"	11.3	3,568.2		TRIM/REMOVE
66888	PRIMARY	TREE	N34° 43' 31.65"	W112° 02' 00.07"	9.2	3,565.6		TRIM/REMOVE
66920	PRIMARY	TREE	N34° 43' 49.43"	W112° 02' 09.81"	12.0	3,550.1		TRIM/REMOVE
66928	PRIMARY	TREE	N34° 43' 49.77"	W112° 02' 10.56"	19.9	3,557.6		TRIM/REMOVE
66944	PRIMARY	TREE	N34° 44' 01.05"	W112° 02' 11.36"	14.1	3,541.8		TRIM/REMOVE
66960	PRIMARY	TREE	N34° 44' 00.12"	W112° 02' 09.79"	20.6	3,549.6		TRIM/REMOVE
66984	PRIMARY	TREE	N34° 43' 59.01"	W112° 02' 09.18"	16.5	3,546.7		TRIM/REMOVE
67000	PRIMARY	TREE	N34° 43' 57.66"	W112° 02' 08.45"	10.3	3,541.8		TRIM/REMOVE
67024	PRIMARY	TREE	N34° 43' 56.38"	W112° 02' 07.76"	14.4	3,547.3		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
PRIMARY SURFACE PENETRATION GROUP *(CONT.)*								
67128	PRIMARY	TREE	N34° 43' 55.31"	W112° 02' 07.12"	24.4	3,558.4		TRIM/REMOVE
67136	PRIMARY	TREE	N34° 43' 54.91"	W112° 02' 06.90"	24.2	3,558.7		TRIM/REMOVE
67152	PRIMARY	TREE	N34° 43' 53.55"	W112° 02' 06.18"	24.3	3,560.2		TRIM/REMOVE
67200	PRIMARY	TREE	N34° 43' 51.76"	W112° 02' 05.16"	23.1	3,560.8		TRIM/REMOVE
67272	PRIMARY	TREE	N34° 43' 49.45"	W112° 02' 03.92"	12.1	3,552.1		TRIM/REMOVE
67280	PRIMARY	TREE	N34° 43' 47.41"	W112° 02' 02.79"	6.5	3,548.7		TRIM/REMOVE
67328	PRIMARY	TREE	N34° 43' 41.00"	W112° 01' 59.59"	5.0	3,553.6		TRIM/REMOVE
67344	PRIMARY	TREE	N34° 43' 41.13"	W112° 01' 59.87"	0.1	3,548.5		TRIM/REMOVE
67440	PRIMARY	TREE	N34° 43' 40.98"	W112° 02' 00.72"	7.3	3,555.6		TRIM/REMOVE
67448	PRIMARY	TREE	N34° 43' 40.86"	W112° 02' 00.69"	6.5	3,554.8		TRIM/REMOVE
67456	PRIMARY	TREE	N34° 43' 41.14"	W112° 02' 00.82"	10.9	3,559.0		TRIM/REMOVE
67464	PRIMARY	TREE	N34° 43' 41.19"	W112° 02' 00.68"	3.8	3,551.9		TRIM/REMOVE
67472	PRIMARY	TREE	N34° 43' 41.38"	W112° 02' 00.66"	1.9	3,549.9		TRIM/REMOVE
67488	PRIMARY	TREE	N34° 43' 41.60"	W112° 02' 00.82"	2.4	3,550.1		TRIM/REMOVE
67496	PRIMARY	TREE	N34° 43' 41.51"	W112° 02' 00.88"	6.1	3,553.8		TRIM/REMOVE
67504	PRIMARY	TREE	N34° 43' 41.37"	W112° 02' 00.99"	7.0	3,554.8		TRIM/REMOVE
67512	PRIMARY	TREE	N34° 43' 41.51"	W112° 02' 01.11"	4.9	3,552.6		TRIM/REMOVE
67520	PRIMARY	TREE	N34° 43' 41.71"	W112° 02' 00.97"	4.4	3,552.0		TRIM/REMOVE
67528	PRIMARY	TREE	N34° 43' 41.84"	W112° 02' 01.13"	7.1	3,554.5		TRIM/REMOVE
67536	PRIMARY	TREE	N34° 43' 41.88"	W112° 02' 01.37"	6.2	3,553.5		TRIM/REMOVE
67544	PRIMARY	TREE	N34° 43' 42.05"	W112° 02' 01.38"	7.3	3,554.5		TRIM/REMOVE
67552	PRIMARY	TREE	N34° 43' 42.22"	W112° 02' 01.46"	7.2	3,554.2		TRIM/REMOVE
67560	PRIMARY	TREE	N34° 43' 42.28"	W112° 02' 01.25"	6.4	3,553.4		TRIM/REMOVE
67568	PRIMARY	TREE	N34° 43' 42.12"	W112° 02' 01.16"	5.6	3,552.7		TRIM/REMOVE
67576	PRIMARY	TREE	N34° 43' 42.11"	W112° 02' 00.82"	5.2	3,552.5		TRIM/REMOVE
67584	PRIMARY	TREE	N34° 43' 42.10"	W112° 02' 00.95"	3.4	3,550.6		TRIM/REMOVE
67592	PRIMARY	TREE	N34° 43' 41.95"	W112° 02' 00.96"	4.4	3,551.7		TRIM/REMOVE
67600	PRIMARY	TREE	N34° 43' 41.93"	W112° 02' 01.07"	3.7	3,551.0		TRIM/REMOVE
67608	PRIMARY	TREE	N34° 43' 41.81"	W112° 02' 00.86"	2.6	3,550.1		TRIM/REMOVE
67616	PRIMARY	TREE	N34° 43' 41.83"	W112° 02' 00.80"	2.7	3,550.3		TRIM/REMOVE
67624	PRIMARY	TREE	N34° 43' 41.92"	W112° 02' 00.75"	3.0	3,550.5		TRIM/REMOVE
67632	PRIMARY	TREE	N34° 43' 42.00"	W112° 02' 00.80"	1.2	3,548.5		TRIM/REMOVE
67672	PRIMARY	TREE	N34° 43' 41.21"	W112° 02' 00.95"	8.2	3,556.2		TRIM/REMOVE
67704	PRIMARY	TREE	N34° 43' 43.01"	W112° 02' 01.15"	1.1	3,547.5		TRIM/REMOVE
67712	PRIMARY	TREE	N34° 43' 42.75"	W112° 02' 01.46"	2.0	3,548.5		TRIM/REMOVE
67720	PRIMARY	TREE	N34° 43' 42.84"	W112° 02' 01.76"	8.7	3,555.1		TRIM/REMOVE
67728	PRIMARY	TREE	N34° 43' 42.95"	W112° 02' 01.79"	8.7	3,555.0		TRIM/REMOVE
67736	PRIMARY	TREE	N34° 43' 43.15"	W112° 02' 01.70"	2.4	3,548.5		TRIM/REMOVE
67744	PRIMARY	TREE	N34° 43' 43.22"	W112° 02' 01.51"	1.4	3,547.5		TRIM/REMOVE
67768	PRIMARY	TREE	N34° 43' 43.36"	W112° 02' 02.20"	11.0	3,556.8		TRIM/REMOVE
67776	PRIMARY	TREE	N34° 43' 43.68"	W112° 02' 01.73"	6.0	3,551.6		TRIM/REMOVE
67784	PRIMARY	TREE	N34° 43' 44.06"	W112° 02' 01.72"	3.9	3,549.3		TRIM/REMOVE
67792	PRIMARY	TREE	N34° 43' 44.26"	W112° 02' 01.68"	4.0	3,549.1		TRIM/REMOVE
67800	PRIMARY	TREE	N34° 43' 44.14"	W112° 02' 01.81"	2.1	3,547.3		TRIM/REMOVE
67816	PRIMARY	TREE	N34° 43' 44.43"	W112° 02' 02.05"	4.1	3,549.0		TRIM/REMOVE
67824	PRIMARY	TREE	N34° 43' 44.27"	W112° 02' 02.09"	3.1	3,548.2		TRIM/REMOVE
67832	PRIMARY	TREE	N34° 43' 44.16"	W112° 02' 01.99"	3.6	3,548.8		TRIM/REMOVE
67840	PRIMARY	TREE	N34° 43' 44.07"	W112° 02' 02.09"	0.7	3,545.9		TRIM/REMOVE
67848	PRIMARY	TREE	N34° 43' 43.80"	W112° 02' 02.43"	6.1	3,551.4		TRIM/REMOVE
67856	PRIMARY	TREE	N34° 43' 44.23"	W112° 02' 02.48"	9.2	3,554.1		TRIM/REMOVE
67864	PRIMARY	TREE	N34° 43' 44.28"	W112° 02' 02.31"	9.8	3,554.7		TRIM/REMOVE
67872	PRIMARY	TREE	N34° 43' 44.53"	W112° 02' 02.37"	7.6	3,552.4		TRIM/REMOVE
67880	PRIMARY	TREE	N34° 43' 44.67"	W112° 02' 02.25"	6.6	3,551.2		TRIM/REMOVE
67888	PRIMARY	TREE	N34° 43' 44.69"	W112° 02' 02.58"	13.4	3,557.9		TRIM/REMOVE
67896	PRIMARY	TREE	N34° 43' 44.51"	W112° 02' 02.81"	11.8	3,556.4		TRIM/REMOVE
67904	PRIMARY	TREE	N34° 43' 44.49"	W112° 02' 02.62"	9.7	3,554.3		TRIM/REMOVE
67912	PRIMARY	TREE	N34° 43' 44.76"	W112° 02' 02.79"	6.5	3,550.9		TRIM/REMOVE
67920	PRIMARY	TREE	N34° 43' 44.83"	W112° 02' 02.97"	7.3	3,551.6		TRIM/REMOVE
67928	PRIMARY	TREE	N34° 43' 44.93"	W112° 02' 02.67"	6.2	3,550.5		TRIM/REMOVE
67936	PRIMARY	TREE	N34° 43' 45.01"	W112° 02' 02.99"	7.8	3,551.9		TRIM/REMOVE
67944	PRIMARY	TREE	N34° 43' 45.18"	W112° 02' 03.15"	6.8	3,550.8		TRIM/REMOVE
67952	PRIMARY	TREE	N34° 43' 45.35"	W112° 02' 03.08"	8.6	3,552.4		TRIM/REMOVE
67960	PRIMARY	TREE	N34° 43' 45.41"	W112° 02' 03.22"	7.8	3,551.5		TRIM/REMOVE
67968	PRIMARY	TREE	N34° 43' 45.59"	W112° 02' 03.26"	9.6	3,553.1		TRIM/REMOVE
67976	PRIMARY	TREE	N34° 43' 45.84"	W112° 02' 03.18"	4.8	3,548.2		TRIM/REMOVE
67984	PRIMARY	TREE	N34° 43' 45.80"	W112° 02' 02.97"	6.6	3,550.0		TRIM/REMOVE
67992	PRIMARY	TREE	N34° 43' 46.02"	W112° 02' 02.99"	8.0	3,551.2		TRIM/REMOVE
68008	PRIMARY	TREE	N34° 43' 45.66"	W112° 02' 02.62"	8.2	3,551.9		TRIM/REMOVE
68016	PRIMARY	TREE	N34° 43' 45.61"	W112° 02' 02.78"	4.6	3,548.3		TRIM/REMOVE
68024	PRIMARY	TREE	N34° 43' 45.60"	W112° 02' 03.08"	4.4	3,548.0		TRIM/REMOVE
68032	PRIMARY	TREE	N34° 43' 45.37"	W112° 02' 02.87"	4.8	3,548.7		TRIM/REMOVE
68040	PRIMARY	TREE	N34° 43' 45.30"	W112° 02' 02.56"	7.7	3,551.7		TRIM/REMOVE
68048	PRIMARY	TREE	N34° 43' 45.50"	W112° 02' 02.55"	3.8	3,547.7		TRIM/REMOVE
68056	PRIMARY	TREE	N34° 43' 45.38"	W112° 02' 02.34"	0.2	3,544.2		TRIM/REMOVE
68064	PRIMARY	TREE	N34° 43' 45.17"	W112° 02' 02.56"	1.8	3,545.9		TRIM/REMOVE
68072	PRIMARY	TREE	N34° 43' 45.08"	W112° 02' 02.76"	5.0	3,549.1		TRIM/REMOVE
68080	PRIMARY	TREE	N34° 43' 45.18"	W112° 02' 02.97"	5.9	3,549.9		TRIM/REMOVE
68088	PRIMARY	TREE	N34° 43' 45.05"	W112° 02' 02.54"	2.7	3,546.9		TRIM/REMOVE
68104	PRIMARY	TREE	N34° 43' 44.10"	W112° 02' 02.30"	1.4	3,546.5		TRIM/REMOVE

NOTES

1. SURVEY PERFORMED JULY 2020.
2. PART 77 SURFACES BASED ON 14 CFR PART 77.
3. PART 77 APPROACH SURFACES SHOWN ON SHEET 34 - INNER PORTION OF THE APPROACH SURFACE DRAWING; PART 77 APPROACH SURFACE OBSTRUCTIONS LISTED ON SHEETS 35-36.
4. TRAVERSEWAY ELEVATIONS INCLUDE THE FOLLOWING ADJUSTMENTS: PRIVATE ROADS: 10', PUBLIC ROADS: 15'. NO INTERSTATE HIGHWAYS OR RAILROADS ARE LOCATED IN THE IMMEDIATE VICINITY OF THE AIRPORT.
5. SURVEY IDENTIFIED A TOTAL OF 6,298 OBSTRUCTIONS TO PART 77 SURFACES, NOT INCLUDING PART 77 APPROACH SURFACES. OBSTRUCTIONS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT TOP 2% OF PENETRATIONS TO EACH PART 77 SURFACE.
6. OBSTRUCTION GROUPS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT APPROXIMATE LOCATION OF ALL OBSTRUCTIONS. COMPREHENSIVE LISTS OF OBSTRUCTIONS TO EACH PART 77 SURFACE, NOT INCLUDING PART 77 APPROACH SURFACES, ARE INCLUDED ON SHEETS 7-33.
7. OBSTRUCTION DESCRIPTIONS ARE GROUPED IN THE SUMMARY TABLE ON SHEET 6 - AIRPORT AIRSPACE DRAWING PER THE FOLLOWING: VEGETATION = BUSH, SCRUB, TREE; GROUND = GROUND; BUILDINGS/HANGARS = BUILDING, HANGAR; POLES/TOWERS = ANTENNA, BEACON, POLE, POLE_LIGHT, POLE_UTIL, POST, TRANSMISSION_PYLON, VERTICAL_POINT; NAVAIDS = PAPI, PAPI_CONTROL_BOX, REIL, SIGN, WINDSOCK; GROUND TRANSPORTATION = PARKING_LOT, ROAD - PRIVATE, ROAD - PUBLIC, STREET SIGN; UTILITY INFRASTRUCTURE = A/G PIPE, DAM, ELEC_BOX, MISC_UTIL, SOLAR_PANELS, TANK, TRANSFORMER; FENCE = FENCE, GATE; OTHER = CANOPY, DIRT_PILE, WALL
8. ALL HEIGHTS SHOWN IN FEET.
9. OBSTRUCTION HEIGHT ABOVE GROUND LEVEL PROVIDED WHERE AVAILABLE.
10. DEFINITIONS: PEN = PENETRATION; MSL = MEAN SEA LEVEL; AGL = ABOVE GROUND LEVEL; OL = OBSTRUCTION LIGHTING; DNH = DETERMINATION OF NO HAZARD

NO.	DATE	REVISIONS	BY	APPR.
5				
4				
3				
2				
1				

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FAA DISCLAMER

THE CONTENTS OF THIS PLAN DO NOT NECESSARILY REFLECT THE OFFICIAL VIEWS OR POLICY OF THE FEDERAL AVIATION ADMINISTRATION (FAA). ACCEPTANCE OF THIS DOCUMENT BY THE FAA DOES NOT IN ANY WAY CONSTITUTE A COMMITMENT ON THE PART OF THE UNITED STATES TO PARTICIPATE IN ANY DEVELOPMENT DEPICTED HEREIN NOR DOES IT INDICATE THAT THE PROPOSED DEVELOPMENT IS ENVIRONMENTALLY ACCEPTABLE IN ACCORDANCE WITH APPROPRIATE PUBLIC LAW.

COTTONWOOD MUNICIPAL AIRPORT
COTTONWOOD, AZ

AIRPORT AIRSPACE DRAWING - PART 77 SURFACE PENETRATION TABLES (2 OF 27)

JOB NO. 291447000	DRAWN KH	CHECKED CBW	SHEET 8 OF 40
DATE: DECEMBER 2022	DESIGNED JTC	APPROVED CBW	

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
PRIMARY SURFACE PENETRATION GROUP *(CONT.)*								
68120	PRIMARY	TREE	N34° 43' 44.07"	W112° 02' 01.97"	1.1	3,546.3		TRIM/REMOVE
68128	PRIMARY	TREE	N34° 43' 45.14"	W112° 02' 02.43"	1.0	3,545.2		TRIM/REMOVE
68136	PRIMARY	TREE	N34° 43' 46.24"	W112° 02' 03.69"	10.0	3,552.9		TRIM/REMOVE
68144	PRIMARY	TREE	N34° 43' 46.18"	W112° 02' 03.41"	4.4	3,547.4		TRIM/REMOVE
68152	PRIMARY	TREE	N34° 43' 46.35"	W112° 02' 03.40"	5.4	3,548.3		TRIM/REMOVE
68160	PRIMARY	TREE	N34° 43' 46.55"	W112° 02' 03.50"	5.6	3,548.3		TRIM/REMOVE
68168	PRIMARY	TREE	N34° 43' 46.48"	W112° 02' 03.24"	2.0	3,544.8		TRIM/REMOVE
68200	PRIMARY	TREE	N34° 43' 46.78"	W112° 02' 03.49"	0.8	3,543.2		TRIM/REMOVE
68208	PRIMARY	TREE	N34° 43' 46.65"	W112° 02' 03.61"	1.7	3,544.2		TRIM/REMOVE
68216	PRIMARY	TREE	N34° 43' 46.77"	W112° 02' 03.72"	1.9	3,544.3		TRIM/REMOVE
68224	PRIMARY	TREE	N34° 43' 46.77"	W112° 02' 03.98"	8.1	3,550.4		TRIM/REMOVE
68232	PRIMARY	TREE	N34° 43' 46.61"	W112° 02' 03.87"	5.8	3,548.3		TRIM/REMOVE
68240	PRIMARY	TREE	N34° 43' 47.07"	W112° 02' 03.97"	6.1	3,548.2		TRIM/REMOVE
68248	PRIMARY	TREE	N34° 43' 47.21"	W112° 02' 04.18"	7.5	3,549.4		TRIM/REMOVE
68256	PRIMARY	TREE	N34° 43' 47.29"	W112° 02' 04.28"	10.2	3,552.0		TRIM/REMOVE
68264	PRIMARY	TREE	N34° 43' 47.29"	W112° 02' 04.01"	1.1	3,543.0		TRIM/REMOVE
68272	PRIMARY	TREE	N34° 43' 47.41"	W112° 02' 03.74"	7.2	3,549.0		TRIM/REMOVE
68280	PRIMARY	TREE	N34° 43' 47.54"	W112° 02' 03.89"	6.1	3,547.8		TRIM/REMOVE
68288	PRIMARY	TREE	N34° 43' 47.79"	W112° 02' 03.95"	1.9	3,543.3		TRIM/REMOVE
68296	PRIMARY	TREE	N34° 43' 47.71"	W112° 02' 04.37"	5.8	3,547.2		TRIM/REMOVE
68304	PRIMARY	TREE	N34° 43' 47.87"	W112° 02' 04.51"	8.3	3,549.5		TRIM/REMOVE
68320	PRIMARY	TREE	N34° 43' 48.34"	W112° 02' 04.57"	2.9	3,543.7		TRIM/REMOVE
68328	PRIMARY	TREE	N34° 43' 48.81"	W112° 02' 04.79"	8.0	3,548.3		TRIM/REMOVE
68336	PRIMARY	TREE	N34° 43' 49.62"	W112° 02' 04.96"	4.1	3,543.7		TRIM/REMOVE
68344	PRIMARY	TREE	N34° 43' 49.80"	W112° 02' 05.34"	5.7	3,544.9		TRIM/REMOVE
68352	PRIMARY	TREE	N34° 43' 50.05"	W112° 02' 05.01"	5.3	3,544.4		TRIM/REMOVE
68360	PRIMARY	TREE	N34° 43' 50.72"	W112° 02' 05.70"	8.7	3,547.0		TRIM/REMOVE
68368	PRIMARY	TREE	N34° 43' 50.75"	W112° 02' 05.76"	6.4	3,544.7		TRIM/REMOVE
68376	PRIMARY	TREE	N34° 43' 50.58"	W112° 02' 05.93"	11.3	3,549.8		TRIM/REMOVE
68384	PRIMARY	TREE	N34° 43' 50.99"	W112° 02' 05.87"	6.7	3,544.8		TRIM/REMOVE
68392	PRIMARY	TREE	N34° 43' 51.04"	W112° 02' 05.99"	7.2	3,545.2		TRIM/REMOVE
68400	PRIMARY	TREE	N34° 43' 51.25"	W112° 02' 05.98"	14.2	3,552.0		TRIM/REMOVE
68408	PRIMARY	TREE	N34° 43' 51.38"	W112° 02' 05.90"	14.9	3,552.6		TRIM/REMOVE
68416	PRIMARY	TREE	N34° 43' 51.78"	W112° 02' 06.12"	17.2	3,554.6		TRIM/REMOVE
68424	PRIMARY	TREE	N34° 43' 52.86"	W112° 02' 07.12"	15.5	3,551.6		TRIM/REMOVE
68432	PRIMARY	TREE	N34° 43' 54.31"	W112° 02' 07.60"	11.0	3,545.7		TRIM/REMOVE
68440	PRIMARY	TREE	N34° 43' 54.55"	W112° 02' 07.81"	12.1	3,546.5		TRIM/REMOVE
68448	PRIMARY	TREE	N34° 43' 55.91"	W112° 02' 08.50"	21.8	3,554.8		TRIM/REMOVE
68456	PRIMARY	BUSH	N34° 43' 57.19"	W112° 02' 08.30"	5.9	3,537.9		TRIM/REMOVE
68464	PRIMARY	BUSH	N34° 43' 57.11"	W112° 02' 08.23"	6.6	3,538.8		TRIM/REMOVE
68504	PRIMARY	BUSH	N34° 43' 56.77"	W112° 02' 07.93"	6.7	3,539.2		TRIM/REMOVE
68512	PRIMARY	BUSH	N34° 43' 56.21"	W112° 02' 07.75"	5.8	3,538.9		TRIM/REMOVE
68552	PRIMARY	BUSH	N34° 43' 58.33"	W112° 02' 08.91"	6.1	3,537.0		TRIM/REMOVE
68560	PRIMARY	BUSH	N34° 43' 58.46"	W112° 02' 08.90"	7.2	3,538.0		TRIM/REMOVE
68608	PRIMARY	BUSH	N34° 43' 59.21"	W112° 02' 09.35"	4.3	3,534.3		TRIM/REMOVE
68616	PRIMARY	BUSH	N34° 43' 59.27"	W112° 02' 09.43"	4.4	3,534.3		TRIM/REMOVE
68624	PRIMARY	BUSH	N34° 43' 59.09"	W112° 02' 09.30"	5.3	3,535.4		TRIM/REMOVE
68632	PRIMARY	BUSH	N34° 44' 00.62"	W112° 02' 10.17"	3.4	3,531.9		TRIM/REMOVE
68640	PRIMARY	BUSH	N34° 44' 00.90"	W112° 02' 10.21"	3.4	3,531.7		TRIM/REMOVE
68680	PRIMARY	BUSH	N34° 44' 00.57"	W112° 02' 10.06"	2.6	3,531.2		TRIM/REMOVE
68688	PRIMARY	POST	N34° 44' 01.20"	W112° 02' 10.44"	4.0	3,531.9	3.3	REMOVE/LOWER/PROVIDE OL
68696	PRIMARY	POST	N34° 44' 01.22"	W112° 02' 10.47"	4.0	3,531.9	3.6	REMOVE/LOWER/PROVIDE OL
68704	PRIMARY	POST	N34° 44' 01.24"	W112° 02' 10.44"	3.9	3,531.8	3.5	REMOVE/LOWER/PROVIDE OL
68848	PRIMARY	GROUND	N34° 44' 08.10"	W112° 02' 20.67"	3.1	3,521.9		GRADE
68856	PRIMARY	GROUND	N34° 44' 07.29"	W112° 02' 19.69"	2.0	3,521.8		GRADE
68864	PRIMARY	GROUND	N34° 44' 06.36"	W112° 02' 19.63"	2.5	3,523.2		GRADE
68872	PRIMARY	GROUND	N34° 44' 04.34"	W112° 02' 18.59"	3.9	3,526.6		GRADE
68880	PRIMARY	GROUND	N34° 44' 03.67"	W112° 02' 17.39"	2.9	3,526.5		GRADE
68888	PRIMARY	GROUND	N34° 44' 02.78"	W112° 02' 17.78"	4.8	3,529.1		GRADE
68896	PRIMARY	GROUND	N34° 44' 01.50"	W112° 02' 16.21"	4.2	3,530.0		GRADE
68904	PRIMARY	GROUND	N34° 44' 00.58"	W112° 02' 16.55"	5.9	3,532.4		GRADE
68912	PRIMARY	GROUND	N34° 44' 01.75"	W112° 02' 17.21"	5.5	3,530.8		GRADE
68920	PRIMARY	GROUND	N34° 43' 59.58"	W112° 02' 15.82"	6.5	3,534.1		GRADE
68928	PRIMARY	GROUND	N34° 43' 59.13"	W112° 02' 13.97"	4.0	3,532.6		GRADE
68936	PRIMARY	GROUND	N34° 43' 57.72"	W112° 02' 14.93"	7.3	3,536.8		GRADE
68944	PRIMARY	GROUND	N34° 43' 58.54"	W112° 02' 14.58"	4.6	3,533.5		GRADE
68952	PRIMARY	GROUND	N34° 43' 59.50"	W112° 02' 14.98"	5.2	3,533.1		GRADE
68960	PRIMARY	GROUND	N34° 43' 55.73"	W112° 02' 13.87"	7.4	3,538.9		GRADE
68968	PRIMARY	GROUND	N34° 43' 54.63"	W112° 02' 13.24"	6.7	3,539.4		GRADE
68976	PRIMARY	GROUND	N34° 43' 56.04"	W112° 02' 13.13"	4.3	3,535.8		GRADE
68984	PRIMARY	GROUND	N34° 43' 57.04"	W112° 02' 13.00"	3.8	3,534.5		GRADE
68992	PRIMARY	GROUND	N34° 43' 54.24"	W112° 02' 11.48"	3.0	3,536.5		GRADE
69000	PRIMARY	GROUND	N34° 43' 53.00"	W112° 02' 11.84"	5.2	3,539.7		GRADE
69008	PRIMARY	TREE	N34° 43' 47.23"	W112° 02' 08.92"	13.3	3,553.6		TRIM/REMOVE
69016	PRIMARY	TREE	N34° 43' 48.95"	W112° 02' 10.17"	19.7	3,558.2		TRIM/REMOVE
69024	PRIMARY	TREE	N34° 43' 45.46"	W112° 02' 08.06"	10.3	3,552.4		TRIM/REMOVE
69032	PRIMARY	TREE	N34° 43' 45.45"	W112° 02' 08.26"	10.2	3,552.3		TRIM/REMOVE
69040	PRIMARY	TREE	N34° 43' 45.63"	W112° 02' 08.19"	10.6	3,552.5		TRIM/REMOVE
69048	PRIMARY	TREE	N34° 43' 45.14"	W112° 02' 07.86"	11.3	3,553.7		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
PRIMARY SURFACE PENETRATION GROUP *(CONT.)*								
69056	PRIMARY	SCRUB	N34° 43' 42.08"	W112° 02' 06.25"	5.9	3,551.5		TRIM/REMOVE
69064	PRIMARY	SCRUB	N34° 43' 42.20"	W112° 02' 06.35"	6.7	3,552.1		TRIM/REMOVE
69080	PRIMARY	SCRUB	N34° 43' 41.99"	W112° 02' 06.36"	6.1	3,551.7		TRIM/REMOVE
69088	PRIMARY	SCRUB	N34° 43' 42.27"	W112° 02' 06.49"	4.1	3,549.4		TRIM/REMOVE
69096	PRIMARY	SCRUB	N34° 43' 42.34"	W112° 02' 06.39"	4.1	3,549.4		TRIM/REMOVE
69104	PRIMARY	SCRUB	N34° 43' 42.38"	W112° 02' 06.22"	5.1	3,550.4		TRIM/REMOVE
69112	PRIMARY	SCRUB	N34° 43' 42.40"	W112° 02' 06.33"	4.4	3,549.6		TRIM/REMOVE
69136	PRIMARY	SCRUB	N34° 43' 42.82"	W112° 02' 06.74"	5.7	3,550.5		TRIM/REMOVE
69144	PRIMARY	SCRUB	N34° 43' 42.75"	W112° 02' 06.50"	6.7	3,551.6		TRIM/REMOVE
69152	PRIMARY	SCRUB	N34° 43' 43.02"	W112° 02' 06.68"	7.7	3,552.4		TRIM/REMOVE
69160	PRIMARY	SCRUB	N34° 43' 43.02"	W112° 02' 06.68"	7.8	3,552.5		TRIM/REMOVE
69168	PRIMARY	SCRUB	N34° 43' 43.28"	W112° 02' 06.70"	7.7	3,552.1		TRIM/REMOVE
69176	PRIMARY	SCRUB	N34° 43' 43.15"	W112° 02' 06.72"	8.5	3,553.0		TRIM/REMOVE
69184	PRIMARY	SCRUB	N34° 43' 42.49"	W112° 02' 05.92"	6.7	3,552.0		TRIM/REMOVE
69192	PRIMARY	SCRUB	N34° 43' 42.66"	W112° 02' 05.92"	5.6	3,550.7		TRIM/REMOVE
69200	PRIMARY	SCRUB	N34° 43' 42.65"	W112° 02' 06.06"	5.0	3,550.1		TRIM/REMOVE
69208	PRIMARY	SCRUB	N34° 43' 42.76"	W112° 02' 05.98"	5.7	3,550.7		TRIM/REMOVE
69216	PRIMARY	SCRUB	N34° 43' 42.85"	W112° 02' 06.14"	5.2	3,550.1		TRIM/REMOVE
69224	PRIMARY	SCRUB	N34° 43' 43.09"	W112° 02' 06.25"	2.3	3,547.0		TRIM/REMOVE
69232	PRIMARY	SCRUB	N34° 43' 42.10"	W112° 02' 05.65"	5.6	3,551.4		TRIM/REMOVE
69240	PRIMARY	SCRUB	N34° 43' 41.90"	W112° 02' 05.55"	6.4	3,552.4		TRIM/REMOVE
69248	PRIMARY	SCRUB	N34° 43' 42.05"	W112° 02' 06.00"	4.9	3,550.6		TRIM/REMOVE
69256	PRIMARY	SCRUB	N34° 43' 41.74"	W112° 02' 06.18"	3.3	3,549.1		TRIM/REMOVE
69264	PRIMARY	SCRUB	N34° 43' 41.49"	W112° 02' 06.07"	5.9	3,552.0		TRIM/REMOVE
69272	PRIMARY	SCRUB	N34° 43' 41.31"	W112° 02' 05.99"	5.6	3,551.9		TRIM/REMOVE
69280	PRIMARY	SCRUB	N34° 43' 41.35"	W112° 02' 05.87"	4.8	3,551.1		TRIM/REMOVE
69288	PRIMARY	SCRUB	N34° 43' 41.11"	W112° 02' 05.85"	3.7	3,550.3		TRIM/REMOVE
69304	PRIMARY	SCRUB	N34° 43' 40.93"	W112° 02' 05.73"	4.3	3,551.0		TRIM/REMOVE
69312	PRIMARY	SCRUB	N34° 43' 41.00"	W112° 02' 05.61"	3.4	3,550.1		TRIM/REMOVE
69320	PRIMARY	SCRUB	N34° 43' 41.26"	W112° 02' 05.51"	2.5	3,549.0		TRIM/REMOVE
69328	PRIMARY	SCRUB	N34° 43' 41.39"	W112° 02' 05.54"	1.9	3,548.3		TRIM/REMOVE
69336	PRIMARY	SCRUB	N34° 43' 41.53"	W112° 02' 05.55"	2.1	3,548.4		TRIM/REMOVE
69344	PRIMARY	SCRUB	N34° 43' 41.75"	W112° 02' 05.60"	2.5	3,548.5		TRIM/REMOVE
69352	PRIMARY	SCRUB	N34° 43' 41.51"	W112° 02' 05.32"	3.7	3,550.0		TRIM/REMOVE
69360	PRIMARY	SCRUB	N34° 43' 41.45"	W112° 02' 05.29"	4.0	3,550.4		TRIM/REMOVE
69368	PRIMARY	SCRUB	N34° 43' 41.35"	W112° 02' 05.23"	3.6	3,550.1		TRIM/REMOVE
69376	PRIMARY	SCRUB	N34° 43' 41.26"	W112° 02' 05.19"	3.3	3,549.9		TRIM/REMOVE
69384	PRIMARY	SCRUB	N34° 43' 41.02"	W112° 02' 05.27"	0.1	3,546.9		TRIM/REMOVE
69392	PRIMARY	SCRUB	N34° 43' 40.84"	W112° 02' 05.15"	0.2	3,547.2		TRIM/REMOVE
69400	PRIMARY	SCRUB	N34° 43' 40.71"	W112° 02' 05.09"	2.0	3,549.1		TRIM/REMOVE
69408	PRIMARY	SCRUB	N34° 43' 40.88"	W112° 02' 05.42"	0.9	3,547.8		TRIM/REMOVE
69416	PRIMARY	SCRUB	N34° 43' 40.64"	W112° 02' 05.47"	1.7	3,548.8		TRIM/REMOVE
69424	PRIMARY	SCRUB	N34° 43' 40.58"	W112° 02' 04.75"	6.3	3,553.6		TRIM/REMOVE
69432	PRIMARY	SCRUB	N34° 43' 40.24"	W112° 02' 04.82"	4.8	3,552.4		TRIM/REMOVE
69440	PRIMARY	SCRUB	N34° 43' 40.07"	W112° 02' 04.85"	1.7	3,549.4		TRIM/REMOVE
69456	PRIMARY	SCRUB	N34° 43' 40.06"	W112° 02' 04.48"	4.8	3,552.6		TRIM/REMOVE
69464	PRIMARY	SCRUB	N34° 43' 39.92"	W112° 02' 04.46"	4.0	3,552.0		TRIM/REMOVE
69472	PRIMARY	SCRUB	N34° 43' 39.77"	W112° 02' 04.45"	2.9	3,551.0		TRIM/REMOVE
69480	PRIMARY	SCRUB	N34° 43' 39.45"	W112° 02' 04.20"	3.6	3,552.1		TRIM/REMOVE
69488	PRIMARY	SCRUB	N34° 43' 38.83"	W112° 02' 03.80"	5.5	3,554.6		TRIM/REMOVE
69496	PRIMARY	SCRUB	N34° 43' 38.91"	W112° 02' 03.85"	5.7	3,554.7		TRIM/REMOVE
69528	PRIMARY	SCRUB	N34° 43' 38.03"	W112° 02' 04.12"	0.1	3,549.8		TRIM/REMOVE
69536	PRIMARY	SCRUB	N34° 43' 37.74"	W112° 02' 03.90"	3.2	3,553.2		TRIM/REMOVE
69544	PRIMARY	SCRUB	N34° 43' 37.83"	W112° 02' 03.79"	2.6	3,552.6		TRIM/REMOVE
69552	PRIMARY	SCRUB	N34° 43' 37.75"	W112° 02' 03.99"	0.8	3,550.7		TRIM/REMOVE
69560	PRIMARY	SCRUB	N34° 43' 37.53"	W112° 02' 03.82"	5.1	3,555.3		TRIM/REMOVE
69568	PRIMARY	SCRUB	N34° 43' 37.54"	W112° 02' 03.60"	5.3	3,555.6		TRIM/REMOVE
69576	PRIMARY	SCRUB	N34° 43' 37.44"	W112° 02' 03.53"	5.1	3,555.4		TRIM/REMOVE
69584	PRIMARY	SCRUB	N34° 43' 37.31"	W112° 02' 03.42"	5.9	3,556.4		TRIM/REMOVE
69592	PRIMARY	SCRUB	N34° 43' 37.30"	W112° 02' 03.22"	5.5	3,556.1		TRIM/REMOVE
69600	PRIMARY	SCRUB	N34° 43' 37.52"	W112° 02' 03.32"	5.3	3,555.7		TRIM/REMOVE
69608	PRIMARY	SCRUB	N34° 43' 37.57"	W112° 02' 03.40"	4.6	3,555.0		TRIM/REMOVE
69616	PRIMARY	SCRUB	N34° 43' 38.47"	W112° 02' 03.97"	0.6	3,550.0		TRIM/REMOVE
69624	PRIMARY	SCRUB	N34° 43' 38.50"	W112° 02' 03.86"	3.2	3,552.6		TRIM/REMOVE
69632	PRIMARY	SCRUB	N34° 43' 38.61"	W112° 02' 03.83"	4.2	3,553.5		TRIM/REMOVE
69640	PRIMARY	SCRUB	N34° 43' 38.89"	W112° 02' 04.09"	3.5	3,552.5		TRIM/REMOVE
69648	PRIMARY	SCRUB	N34° 43' 37.18"	W112° 02' 03.68"	5.6	3,556.2		TRIM/REMOVE
69728	PRIMARY	SCRUB	N34° 43' 36.75"	W112° 02' 03.19"	10.4	3,561.5		TRIM/REMOVE
69736	PRIMARY	SCRUB	N34° 43' 36.54"	W112° 02' 03.15"	16.4	3,567.7		TRIM/REMOVE
69744	PRIMARY	SCRUB	N34° 43' 36.46"	W112° 02' 03.18"	16.0	3,567.3		TRIM/REMOVE
69752	PRIMARY	SCRUB	N34° 43' 36.41"	W112° 02' 03.17"	16.3	3,567.7		TRIM/REMOVE
69760	PRIMARY	SCRUB	N34° 43' 36.33"	W112° 02' 03.13"	16.7	3,568.2		TRIM/REMOVE
69768	PRIMARY	SCRUB	N34° 43' 36.25"	W112° 02' 03.09"	16.8	3,568.3		TRIM/REMOVE
69776	PRIMARY	SCRUB	N34° 43' 36.16"	W112° 02' 03.06"	17.6	3,569.2		TRIM/REMOVE
69808	PRIMARY	SCRUB	N34° 43' 35.75"	W112° 02' 02.15"	5.9	3,558.2		TRIM/REMOVE
69816	PRIMARY	SCRUB	N34° 43' 36.01"	W112° 02' 02.37"	4.0	3,555.9		TRIM/REMOVE
69824	PRIMARY	SCRUB	N34° 43' 36.47"	W112° 02' 02.73"	5.3	3,556.8		TRIM/REMOVE
69832	PRIMARY	SCRUB	N34° 43' 36.56"	W112° 02' 02.76"	5.4	3,556.8		TRIM/REMOVE
69840	PRIMARY	SCRUB	N34° 43' 36.58"	W112° 02' 02.68"	5.0	3,556.4		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
PRIMARY SURFACE PENETRATION GROUP *(CONT.)*								
69848	PRIMARY	SCRUB	N34° 43' 36.24"	W112° 02' 02.88"	10.4	3,562.0		TRIM/REMOVE
69856	PRIMARY	SCRUB	N34° 43' 36.24"	W112° 02' 02.63"	5.1	3,556.8		TRIM/REMOVE
69864	PRIMARY	SCRUB	N34° 43' 37.38"	W112° 02' 03.15"	5.0	3,555.6		TRIM/REMOVE
69872	PRIMARY	SCRUB	N34° 43' 35.29"	W112° 02' 02.22"	6.9	3,559.5		TRIM/REMOVE
69880	PRIMARY	SCRUB	N34° 43' 35.07"	W112° 02' 02.01"	8.1	3,561.0		TRIM/REMOVE
69888	PRIMARY	SCRUB	N34° 43' 34.89"	W112° 02' 01.85"	8.9	3,562.0		TRIM/REMOVE
69896	PRIMARY	SCRUB	N34° 43' 34.87"	W112° 02' 01.70"	5.9	3,559.0		TRIM/REMOVE
69904	PRIMARY	SCRUB	N34° 43' 35.08"	W112° 02' 01.71"	5.8	3,558.8		TRIM/REMOVE
69912	PRIMARY	SCRUB	N34° 43' 34.41"	W112° 02' 02.13"	14.0	3,567.5		TRIM/REMOVE
69920	PRIMARY	SCRUB	N34° 43' 34.60"	W112° 02' 02.28"	13.7	3,567.0		TRIM/REMOVE
69928	PRIMARY	SCRUB	N34° 43' 34.62"	W112° 02' 02.20"	14.0	3,567.2		TRIM/REMOVE
69936	PRIMARY	SCRUB	N34° 43' 34.73"	W112° 02' 02.35"	15.4	3,568.4		TRIM/REMOVE
69944	PRIMARY	SCRUB	N34° 43' 34.93"	W112° 02' 02.26"	14.8	3,567.7		TRIM/REMOVE
69952	PRIMARY	SCRUB	N34° 43' 35.14"	W112° 02' 02.60"	14.1	3,566.7		TRIM/REMOVE
69960	PRIMARY	SCRUB	N34° 43' 34.77"	W112° 02' 02.11"	11.9	3,565.0		TRIM/REMOVE
69968	PRIMARY	SCRUB	N34° 43' 34.65"	W112° 02' 01.91"	9.2	3,562.5		TRIM/REMOVE
69976	PRIMARY	SCRUB	N34° 43' 34.38"	W112° 02' 01.86"	9.7	3,563.2		TRIM/REMOVE
69984	PRIMARY	SCRUB	N34° 43' 34.59"	W112° 02' 01.67"	10.1	3,563.5		TRIM/REMOVE
69992	PRIMARY	SCRUB	N34° 43' 34.37"	W112° 02' 01.49"	5.9	3,559.5		TRIM/REMOVE
70000	PRIMARY	SCRUB	N34° 43' 34.21"	W112° 02' 01.37"	5.9	3,559.8		TRIM/REMOVE
70008	PRIMARY	SCRUB	N34° 43' 34.16"	W112° 02' 01.54"	7.9	3,561.8		TRIM/REMOVE
70016	PRIMARY	SCRUB	N34° 43' 34.05"	W112° 02' 01.85"	11.4	3,565.2		TRIM/REMOVE
70024	PRIMARY	SCRUB	N34° 43' 33.60"	W112° 02' 01.62"	8.7	3,563.0		TRIM/REMOVE
70040	PRIMARY	SCRUB	N34° 43' 33.58"	W112° 02' 01.43"	8.9	3,563.2		TRIM/REMOVE
70048	PRIMARY	SCRUB	N34° 43' 33.73"	W112° 02' 01.42"	10.0	3,564.2		TRIM/REMOVE
70056	PRIMARY	SCRUB	N34° 43' 33.75"	W112° 02' 01.23"	8.0	3,562.3		TRIM/REMOVE
70064	PRIMARY	SCRUB	N34° 43' 34.00"	W112° 02' 01.22"	6.7	3,560.8		TRIM/REMOVE
70072	PRIMARY	SCRUB	N34° 43' 33.44"	W112° 02' 01.36"	8.3	3,562.8		TRIM/REMOVE
70080	PRIMARY	SCRUB	N34° 43' 33.22"	W112° 02' 01.41"	9.1	3,563.7		TRIM/REMOVE
70088	PRIMARY	SCRUB	N34° 43' 33.18"	W112° 02' 01.33"	7.5	3,562.3		TRIM/REMOVE
70096	PRIMARY	SCRUB	N34° 43' 33.31"	W112° 02' 01.33"	7.9	3,562.5		TRIM/REMOVE
70104	PRIMARY	SCRUB	N34° 43' 33.39"	W112° 02' 01.25"	8.2	3,562.8		TRIM/REMOVE
70112	PRIMARY	SCRUB	N34° 43' 33.35"	W112° 02' 01.12"	6.6	3,561.3		TRIM/REMOVE
70120	PRIMARY	SCRUB	N34° 43' 33.44"	W112° 02' 00.98"	6.6	3,561.3		TRIM/REMOVE
70128	PRIMARY	SCRUB	N34° 43' 33.31"	W112° 02' 00.94"	7.3	3,562.0		TRIM/REMOVE
70136	PRIMARY	SCRUB	N34° 43' 33.49"	W112° 02' 01.04"	8.4	3,563.0		TRIM/REMOVE
70144	PRIMARY	SCRUB	N34° 43' 33.31"	W112° 02' 00.80"	4.8	3,559.5		TRIM/REMOVE
70152	PRIMARY	SCRUB	N34° 43' 33.18"	W112° 02' 00.77"	5.4	3,560.3		TRIM/REMOVE
70160	PRIMARY	SCRUB	N34° 43' 32.98"	W112° 02' 00.82"	7.0	3,562.0		TRIM/REMOVE
70168	PRIMARY	SCRUB	N34° 43' 32.88"	W112° 02' 01.00"	9.6	3,564.7		TRIM/REMOVE
70176	PRIMARY	SCRUB	N34° 43' 32.80"	W112° 02' 01.04"	10.8	3,566.0		TRIM/REMOVE
70184	PRIMARY	SCRUB	N34° 43' 32.97"	W112° 02' 01.24"	10.5	3,565.5		TRIM/REMOVE
70200	PRIMARY	SCRUB	N34° 43' 32.76"	W112° 02' 00.76"	8.0	3,563.2		TRIM/REMOVE
70208	PRIMARY	SCRUB	N34° 43' 32.53"	W112° 02' 00.57"	7.2	3,562.8		TRIM/REMOVE
70216	PRIMARY	SCRUB	N34° 43' 32.61"	W112° 02' 00.44"	4.3	3,559.8		TRIM/REMOVE
70224	PRIMARY	SCRUB	N34° 43' 32.50"	W112° 02' 00.38"	4.4	3,560.0		TRIM/REMOVE
70232	PRIMARY	SCRUB	N34° 43' 32.42"	W112° 02' 00.51"	6.9	3,562.5		TRIM/REMOVE
70240	PRIMARY	SCRUB	N34° 43' 32.26"	W112° 02' 00.55"	8.7	3,564.5		TRIM/REMOVE
70248	PRIMARY	SCRUB	N34° 43' 32.04"	W112° 02' 00.76"	10.1	3,566.0		TRIM/REMOVE
70256	PRIMARY	SCRUB	N34° 43' 31.98"	W112° 02' 00.69"	9.8	3,565.7		TRIM/REMOVE
70280	PRIMARY	SCRUB	N34° 43' 32.04"	W112° 02' 00.42"	8.5	3,564.5		TRIM/REMOVE
70288	PRIMARY	SCRUB	N34° 43' 31.92"	W112° 02' 00.27"	8.1	3,564.2		TRIM/REMOVE
70296	PRIMARY	SCRUB	N34° 43' 32.04"	W112° 02' 00.25"	7.9	3,564.0		TRIM/REMOVE
70304	PRIMARY	SCRUB	N34° 43' 32.18"	W112° 02' 00.31"	5.9	3,561.8		TRIM/REMOVE
70312	PRIMARY	SCRUB	N34° 43' 32.35"	W112° 02' 00.30"	5.3	3,561.0		TRIM/REMOVE
70320	PRIMARY	SCRUB	N34° 43' 32.18"	W112° 02' 00.41"	6.4	3,562.3		TRIM/REMOVE
70328	PRIMARY	SCRUB	N34° 43' 31.75"	W112° 02' 00.34"	8.0	3,564.2		TRIM/REMOVE
70336	PRIMARY	SCRUB	N34° 43' 31.73"	W112° 02' 00.22"	6.4	3,562.8		TRIM/REMOVE
70344	PRIMARY	SCRUB	N34° 43' 31.40"	W112° 01' 59.94"	5.8	3,562.5		TRIM/REMOVE
70352	PRIMARY	SCRUB	N34° 43' 31.54"	W112° 01' 59.92"	6.2	3,562.8		TRIM/REMOVE
70360	PRIMARY	SCRUB	N34° 43' 31.45"	W112° 02' 00.14"	8.4	3,565.0		TRIM/REMOVE
70368	PRIMARY	SCRUB	N34° 43' 31.13"	W112° 02' 00.19"	10.1	3,567.0		TRIM/REMOVE
70376	PRIMARY	SCRUB	N34° 43' 31.22"	W112° 02' 00.25"	10.2	3,567.0		TRIM/REMOVE
70384	PRIMARY	SCRUB	N34° 43' 31.15"	W112° 02' 00.36"	10.2	3,567.0		TRIM/REMOVE
70392	PRIMARY	SCRUB	N34° 43' 31.28"	W112° 02' 00.44"	10.8	3,567.5		TRIM/REMOVE
70400	PRIMARY	SCRUB	N34° 43' 31.43"	W112° 02' 00.34"	10.9	3,567.5		TRIM/REMOVE
70408	PRIMARY	SCRUB	N34° 43' 31.55"	W112° 02' 00.39"	11.0	3,567.5		TRIM/REMOVE
70416	PRIMARY	SCRUB	N34° 43' 31.63"	W112° 02' 00.45"	10.6	3,567.0		TRIM/REMOVE
70424	PRIMARY	SCRUB	N34° 43' 31.53"	W112° 02' 00.49"	10.3	3,566.7		TRIM/REMOVE
70464	PRIMARY	SCRUB	N34° 43' 30.92"	W112° 02' 00.27"	12.0	3,568.9		TRIM/REMOVE
70472	PRIMARY	SCRUB	N34° 43' 30.83"	W112° 02' 00.22"	12.6	3,569.7		TRIM/REMOVE
70480	PRIMARY	SCRUB	N34° 43' 30.77"	W112° 02' 00.19"	12.0	3,569.2		TRIM/REMOVE
70488	PRIMARY	SCRUB	N34° 43' 30.82"	W112° 02' 00.01"	11.3	3,568.4		TRIM/REMOVE
70496	PRIMARY	SCRUB	N34° 43' 30.90"	W112° 01' 59.87"	7.3	3,564.5		TRIM/REMOVE
70504	PRIMARY	SCRUB	N34° 43' 30.97"	W112° 01' 59.70"	7.1	3,564.2		TRIM/REMOVE
70512	PRIMARY	SCRUB	N34° 43' 31.06"	W112° 01' 59.73"	6.7	3,563.7		TRIM/REMOVE
70520	PRIMARY	SCRUB	N34° 43' 31.02"	W112° 01' 59.82"	7.4	3,564.5		TRIM/REMOVE
70528	PRIMARY	SCRUB	N34° 43' 31.12"	W112° 01' 59.83"	7.5	3,564.5		TRIM/REMOVE
70536	PRIMARY	SCRUB	N34° 43' 31.25"	W112° 02' 00.06"	8.0	3,564.7		TRIM/REMOVE

NOTES

1. SURVEY PERFORMED JULY 2020.
2. PART 77 SURFACES BASED ON 14 CFR PART 77.
3. PART 77 APPROACH SURFACES SHOWN ON SHEET 34 - INNER PORTION OF THE APPROACH SURFACE DRAWING; PART 77 APPROACH SURFACE OBSTRUCTIONS LISTED ON SHEETS 35-36.
4. TRAVERSEWAY ELEVATIONS INCLUDE THE FOLLOWING ADJUSTMENTS: PRIVATE ROADS: 10', PUBLIC ROADS: 15'. NO INTERSTATE HIGHWAYS OR RAILROADS ARE LOCATED IN THE IMMEDIATE VICINITY OF THE AIRPORT.
5. SURVEY IDENTIFIED A TOTAL OF 6,298 OBSTRUCTIONS TO PART 77 SURFACES, NOT INCLUDING PART 77 APPROACH SURFACES. OBSTRUCTIONS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT TOP 2% OF PENETRATIONS TO EACH PART 77 SURFACE.
6. OBSTRUCTION GROUPS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT APPROXIMATE LOCATION OF ALL OBSTRUCTIONS. COMPREHENSIVE LISTS OF OBSTRUCTIONS TO EACH PART 77 SURFACE, NOT INCLUDING PART 77 APPROACH SURFACES, ARE INCLUDED ON SHEETS 7-33.
7. OBSTRUCTION DESCRIPTIONS ARE GROUPED IN THE SUMMARY TABLE ON SHEET 6 - AIRPORT AIRSPACE DRAWING PER THE FOLLOWING: VEGETATION = BUSH, SCRUB, TREE; GROUND = GROUND; BUILDINGS/HANGARS = BUILDING, HANGAR; POLES/TOWERS = ANTENNA, BEACON, POLE, POLE_LIGHT, POLE_UTIL, POST, TRANSMISSION_PYLON, VERTICAL_POINT; NAVAIDS = PAPI, PAPI_CONTROL_BOX, REIL, SIGN, WINDSOCK; GROUND TRANSPORTATION = PARKING_LOT, ROAD - PRIVATE, ROAD - PUBLIC, STREET SIGN; UTILITY INFRASTRUCTURE = A/G PIPE, DAM, ELEC_BOX, MISC_UTIL, SOLAR_PANELS, TANK, TRANSFORMER; FENCE = FENCE, GATE; OTHER = CANOPY, DIRT_PILE, WALL
8. ALL HEIGHTS SHOWN IN FEET.
9. OBSTRUCTION HEIGHT ABOVE GROUND LEVEL PROVIDED WHERE AVAILABLE.
10. DEFINITIONS: PEN = PENETRATION; MSL = MEAN SEA LEVEL; AGL = ABOVE GROUND LEVEL; OL = OBSTRUCTION LIGHTING; DNH = DETERMINATION OF NO HAZARD

NO.	DATE	REVISIONS	BY	APPR.
5				
4				
3				
2				
1				

Kimley»Horn

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COTTONWOOD MUNICIPAL AIRPORT
COTTONWOOD, AZ

AIRPORT AIRSPACE DRAWING - PART 77 SURFACE PENETRATION TABLES (3 OF 27)

JOB NO. 291447000	DRAWN KH	CHECKED CBW	SHEET 9 OF 40
DATE: DECEMBER 2022	DESIGNED JTC	APPROVED CBW	

COTTONWOOD MUNICIPAL AIRPORT (P52) \| AIRPORT LAYOUT PLAN \| FAA SITE NUMBER 00665.A \| FAA AIP GRANT NO. 019

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
PRIMARY SURFACE PENETRATION GROUP *(CONT.)*								
70544	PRIMARY	SCRUB	N34° 43' 31.30"	W112° 01' 59.98"	6.7	3,563.5		TRIM/REMOVE
70552	PRIMARY	SCRUB	N34° 43' 31.26"	W112° 01' 59.71"	3.9	3,560.8		TRIM/REMOVE
70560	PRIMARY	SCRUB	N34° 43' 31.37"	W112° 01' 59.74"	4.0	3,560.8		TRIM/REMOVE
70568	PRIMARY	SCRUB	N34° 43' 31.49"	W112° 01' 59.80"	4.4	3,561.0		TRIM/REMOVE
70576	PRIMARY	SCRUB	N34° 43' 30.83"	W112° 01' 59.73"	6.7	3,564.0		TRIM/REMOVE
70584	PRIMARY	SCRUB	N34° 43' 30.72"	W112° 01' 59.74"	9.0	3,566.3		TRIM/REMOVE
70592	PRIMARY	SCRUB	N34° 43' 30.78"	W112° 01' 59.83"	9.0	3,566.2		TRIM/REMOVE
70600	PRIMARY	SCRUB	N34° 43' 30.56"	W112° 01' 59.88"	11.3	3,568.7		TRIM/REMOVE
70608	PRIMARY	SCRUB	N34° 43' 30.45"	W112° 01' 59.90"	9.0	3,566.5		TRIM/REMOVE
70672	PRIMARY	SCRUB	N34° 43' 29.95"	W112° 01' 59.65"	9.9	3,567.9		TRIM/REMOVE
70680	PRIMARY	SCRUB	N34° 43' 30.06"	W112° 01' 59.80"	9.1	3,567.0		TRIM/REMOVE
70688	PRIMARY	SCRUB	N34° 43' 30.25"	W112° 01' 59.82"	9.9	3,567.6		TRIM/REMOVE
70696	PRIMARY	SCRUB	N34° 43' 30.25"	W112° 01' 59.73"	10.2	3,567.9		TRIM/REMOVE
70704	PRIMARY	SCRUB	N34° 43' 30.40"	W112° 01' 59.69"	10.2	3,567.8		TRIM/REMOVE
70712	PRIMARY	SCRUB	N34° 43' 30.47"	W112° 01' 59.59"	9.7	3,567.3		TRIM/REMOVE
70720	PRIMARY	SCRUB	N34° 43' 30.41"	W112° 01' 59.40"	8.0	3,565.7		TRIM/REMOVE
70728	PRIMARY	SCRUB	N34° 43' 30.31"	W112° 01' 59.36"	8.7	3,566.5		TRIM/REMOVE
70736	PRIMARY	SCRUB	N34° 43' 30.13"	W112° 01' 59.30"	7.0	3,565.0		TRIM/REMOVE
70744	PRIMARY	SCRUB	N34° 43' 30.08"	W112° 01' 59.42"	9.2	3,567.2		TRIM/REMOVE
70752	PRIMARY	SCRUB	N34° 43' 29.84"	W112° 01' 59.26"	8.5	3,566.7		TRIM/REMOVE
70760	PRIMARY	SCRUB	N34° 43' 29.86"	W112° 01' 59.12"	8.0	3,566.2		TRIM/REMOVE
70768	PRIMARY	SCRUB	N34° 43' 29.91"	W112° 01' 59.16"	7.9	3,566.1		TRIM/REMOVE
70776	PRIMARY	SCRUB	N34° 43' 30.01"	W112° 01' 59.17"	6.6	3,564.7		TRIM/REMOVE
70784	PRIMARY	SCRUB	N34° 43' 29.94"	W112° 01' 59.47"	9.6	3,567.7		TRIM/REMOVE
70792	PRIMARY	SCRUB	N34° 43' 30.00"	W112° 01' 59.54"	9.3	3,567.3		TRIM/REMOVE
70800	PRIMARY	SCRUB	N34° 43' 30.16"	W112° 01' 59.60"	9.2	3,567.1		TRIM/REMOVE
70808	PRIMARY	SCRUB	N34° 43' 29.88"	W112° 01' 59.54"	10.6	3,568.7		TRIM/REMOVE
70816	PRIMARY	SCRUB	N34° 43' 29.82"	W112° 01' 59.60"	10.1	3,568.2		TRIM/REMOVE
70832	PRIMARY	SCRUB	N34° 43' 29.69"	W112° 01' 59.44"	10.1	3,568.4		TRIM/REMOVE
70840	PRIMARY	SCRUB	N34° 43' 29.64"	W112° 01' 59.41"	10.0	3,568.3		TRIM/REMOVE
70848	PRIMARY	SCRUB	N34° 43' 29.54"	W112° 01' 59.38"	9.6	3,568.1		TRIM/REMOVE
70856	PRIMARY	SCRUB	N34° 43' 29.59"	W112° 01' 59.26"	9.8	3,568.2		TRIM/REMOVE
70864	PRIMARY	SCRUB	N34° 43' 29.72"	W112° 01' 59.07"	7.8	3,566.2		TRIM/REMOVE
70872	PRIMARY	SCRUB	N34° 43' 29.69"	W112° 01' 58.97"	7.1	3,565.6		TRIM/REMOVE
70880	PRIMARY	TREE	N34° 43' 29.51"	W112° 01' 58.89"	10.8	3,569.4		TRIM/REMOVE
70888	PRIMARY	TREE	N34° 43' 29.35"	W112° 01' 58.91"	11.0	3,569.8		TRIM/REMOVE
70896	PRIMARY	SCRUB	N34° 43' 29.06"	W112° 01' 58.65"	9.2	3,568.3		TRIM/REMOVE
70904	PRIMARY	SCRUB	N34° 43' 29.02"	W112° 01' 58.87"	9.3	3,568.3		TRIM/REMOVE
70912	PRIMARY	SCRUB	N34° 43' 28.86"	W112° 01' 58.93"	9.3	3,568.4		TRIM/REMOVE
70920	PRIMARY	SCRUB	N34° 43' 28.80"	W112° 01' 59.10"	9.8	3,568.9		TRIM/REMOVE
70928	PRIMARY	SCRUB	N34° 43' 29.20"	W112° 01' 58.74"	8.1	3,567.1		TRIM/REMOVE
70936	PRIMARY	SCRUB	N34° 43' 29.20"	W112° 01' 58.99"	9.0	3,567.8		TRIM/REMOVE
70944	PRIMARY	SCRUB	N34° 43' 29.28"	W112° 01' 59.21"	10.1	3,568.8		TRIM/REMOVE
70952	PRIMARY	SCRUB	N34° 43' 29.30"	W112° 01' 59.22"	10.0	3,568.7		TRIM/REMOVE
70960	PRIMARY	SCRUB	N34° 43' 28.68"	W112° 01' 58.48"	7.5	3,567.0		TRIM/REMOVE
70968	PRIMARY	SCRUB	N34° 43' 28.71"	W112° 01' 58.71"	9.7	3,569.1		TRIM/REMOVE
70976	PRIMARY	SCRUB	N34° 43' 28.62"	W112° 01' 58.87"	9.8	3,569.2		TRIM/REMOVE
70984	PRIMARY	SCRUB	N34° 43' 28.52"	W112° 01' 58.76"	8.6	3,568.1		TRIM/REMOVE
70992	PRIMARY	SCRUB	N34° 43' 28.44"	W112° 01' 58.56"	8.9	3,568.6		TRIM/REMOVE
71000	PRIMARY	SCRUB	N34° 43' 28.34"	W112° 01' 58.62"	8.9	3,568.6		TRIM/REMOVE
71096	PRIMARY	SCRUB	N34° 43' 27.97"	W112° 01' 58.49"	10.1	3,570.2		TRIM/REMOVE
71104	PRIMARY	SCRUB	N34° 43' 28.09"	W112° 01' 58.53"	10.5	3,570.4		TRIM/REMOVE
71112	PRIMARY	SCRUB	N34° 43' 28.20"	W112° 01' 58.55"	9.6	3,569.4		TRIM/REMOVE
71120	PRIMARY	SCRUB	N34° 43' 28.42"	W112° 01' 58.35"	7.1	3,566.8		TRIM/REMOVE
71128	PRIMARY	SCRUB	N34° 43' 28.53"	W112° 01' 58.22"	4.4	3,564.1		TRIM/REMOVE
71136	PRIMARY	SCRUB	N34° 43' 28.17"	W112° 01' 58.08"	4.5	3,564.5		TRIM/REMOVE
71144	PRIMARY	SCRUB	N34° 43' 28.03"	W112° 01' 58.17"	8.7	3,568.8		TRIM/REMOVE
71152	PRIMARY	SCRUB	N34° 43' 27.97"	W112° 01' 57.95"	7.5	3,567.7		TRIM/REMOVE
71160	PRIMARY	SCRUB	N34° 43' 27.80"	W112° 01' 57.96"	10.2	3,570.4		TRIM/REMOVE
71168	PRIMARY	SCRUB	N34° 43' 27.86"	W112° 01' 58.10"	8.6	3,568.9		TRIM/REMOVE
71176	PRIMARY	SCRUB	N34° 43' 28.05"	W112° 01' 58.04"	4.5	3,564.6		TRIM/REMOVE
71184	PRIMARY	SCRUB	N34° 43' 28.03"	W112° 01' 57.39"	6.2	3,566.5		TRIM/REMOVE
71192	PRIMARY	SCRUB	N34° 43' 28.14"	W112° 01' 57.41"	5.0	3,565.2		TRIM/REMOVE
71200	PRIMARY	SCRUB	N34° 43' 28.25"	W112° 01' 57.22"	3.7	3,564.0		TRIM/REMOVE
71208	PRIMARY	SCRUB	N34° 43' 27.16"	W112° 01' 56.68"	4.6	3,564.5		TRIM/REMOVE
71216	PRIMARY	SCRUB	N34° 43' 27.46"	W112° 01' 56.88"	4.4	3,564.5		TRIM/REMOVE
71224	PRIMARY	GROUND	N34° 43' 26.52"	W112° 01' 56.72"	5.7	3,565.5		GRADE
71232	PRIMARY	GROUND	N34° 43' 27.42"	W112° 01' 57.44"	5.0	3,565.1		GRADE
71240	PRIMARY	GROUND	N34° 43' 26.94"	W112° 01' 56.02"	0.7	3,560.5		GRADE
71248	PRIMARY	GROUND	N34° 43' 29.01"	W112° 01' 58.18"	0.7	3,560.0		GRADE
71280	PRIMARY	GROUND	N34° 43' 37.57"	W112° 02' 02.29"	0.1	3,550.7		GRADE
71288	PRIMARY	GROUND	N34° 43' 39.59"	W112° 02' 03.40"	0.1	3,548.7		GRADE
71296	PRIMARY	GROUND	N34° 43' 41.34"	W112° 02' 04.36"	0.4	3,547.2		GRADE
71304	PRIMARY	GROUND	N34° 43' 43.95"	W112° 02' 05.80"	0.7	3,544.8		GRADE
71312	PRIMARY	GROUND	N34° 43' 45.77"	W112° 02' 06.78"	1.1	3,543.3		GRADE
71320	PRIMARY	GROUND	N34° 43' 47.86"	W112° 02' 07.95"	1.7	3,541.8		GRADE
71328	PRIMARY	GROUND	N34° 43' 49.84"	W112° 02' 09.05"	1.9	3,540.0		GRADE
71336	PRIMARY	GROUND	N34° 43' 52.11"	W112° 02' 10.30"	2.7	3,538.5		GRADE
71344	PRIMARY	SCRUB	N34° 43' 48.91"	W112° 02' 09.55"	8.4	3,547.1		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
PRIMARY SURFACE PENETRATION GROUP *(CONT.)*								
71352	PRIMARY	SCRUB	N34° 43' 48.96"	W112° 02' 09.76"	12.1	3,550.7		TRIM/REMOVE
71360	PRIMARY	SCRUB	N34° 43' 48.66"	W112° 02' 09.79"	15.1	3,553.9		TRIM/REMOVE
71368	PRIMARY	SCRUB	N34° 43' 48.53"	W112° 02' 09.88"	16.0	3,554.9		TRIM/REMOVE
71440	PRIMARY	SCRUB	N34° 43' 48.70"	W112° 02' 09.50"	9.0	3,547.9		TRIM/REMOVE
71448	PRIMARY	SCRUB	N34° 43' 48.61"	W112° 02' 09.42"	8.1	3,547.1		TRIM/REMOVE
71456	PRIMARY	SCRUB	N34° 43' 48.84"	W112° 02' 09.51"	7.1	3,545.9		TRIM/REMOVE
71464	PRIMARY	SCRUB	N34° 43' 48.44"	W112° 02' 09.40"	10.7	3,549.9		TRIM/REMOVE
71472	PRIMARY	SCRUB	N34° 43' 48.35"	W112° 02' 09.45"	9.9	3,549.1		TRIM/REMOVE
71480	PRIMARY	SCRUB	N34° 43' 48.32"	W112° 02' 09.15"	6.8	3,546.1		TRIM/REMOVE
71488	PRIMARY	SCRUB	N34° 43' 48.17"	W112° 02' 09.43"	9.9	3,549.2		TRIM/REMOVE
71496	PRIMARY	SCRUB	N34° 43' 48.01"	W112° 02' 09.12"	8.3	3,547.9		TRIM/REMOVE
71504	PRIMARY	SCRUB	N34° 43' 47.85"	W112° 02' 09.05"	9.1	3,548.9		TRIM/REMOVE
71512	PRIMARY	SCRUB	N34° 43' 47.83"	W112° 02' 08.98"	8.3	3,548.1		TRIM/REMOVE
71520	PRIMARY	SCRUB	N34° 43' 47.75"	W112° 02' 08.74"	5.2	3,545.1		TRIM/REMOVE
71528	PRIMARY	SCRUB	N34° 43' 49.50"	W112° 02' 10.06"	9.8	3,547.9		TRIM/REMOVE
71536	PRIMARY	SCRUB	N34° 43' 49.82"	W112° 02' 10.22"	9.7	3,547.4		TRIM/REMOVE
71544	PRIMARY	SCRUB	N34° 43' 49.80"	W112° 02' 09.97"	6.1	3,543.9		TRIM/REMOVE
71552	PRIMARY	SCRUB	N34° 43' 49.93"	W112° 02' 10.11"	7.0	3,544.7		TRIM/REMOVE
71560	PRIMARY	SCRUB	N34° 43' 49.96"	W112° 02' 10.41"	12.0	3,549.5		TRIM/REMOVE
71568	PRIMARY	SCRUB	N34° 43' 49.94"	W112° 02' 10.63"	16.0	3,553.4		TRIM/REMOVE
71584	PRIMARY	SCRUB	N34° 43' 50.06"	W112° 02' 10.62"	14.8	3,552.2		TRIM/REMOVE
71600	PRIMARY	SCRUB	N34° 43' 50.10"	W112° 02' 10.31"	9.4	3,546.9		TRIM/REMOVE
71608	PRIMARY	SCRUB	N34° 43' 50.17"	W112° 02' 10.37"	9.5	3,546.9		TRIM/REMOVE
71616	PRIMARY	SCRUB	N34° 43' 50.30"	W112° 02' 10.21"	6.4	3,543.7		TRIM/REMOVE
71624	PRIMARY	SCRUB	N34° 43' 50.56"	W112° 02' 10.59"	10.4	3,547.4		TRIM/REMOVE
71632	PRIMARY	SCRUB	N34° 43' 50.80"	W112° 02' 10.51"	7.4	3,544.2		TRIM/REMOVE
71640	PRIMARY	SCRUB	N34° 43' 51.04"	W112° 02' 10.53"	8.6	3,545.1		TRIM/REMOVE
71648	PRIMARY	SCRUB	N34° 43' 51.11"	W112° 02' 10.76"	8.0	3,544.4		TRIM/REMOVE
71664	PRIMARY	SCRUB	N34° 43' 51.16"	W112° 02' 10.91"	10.5	3,546.9		TRIM/REMOVE
71672	PRIMARY	SCRUB	N34° 43' 51.44"	W112° 02' 11.05"	10.9	3,547.0		TRIM/REMOVE
71688	PRIMARY	SCRUB	N34° 43' 51.33"	W112° 02' 10.75"	6.3	3,542.5		TRIM/REMOVE
71696	PRIMARY	SCRUB	N34° 43' 51.55"	W112° 02' 11.15"	10.8	3,546.8		TRIM/REMOVE
71704	PRIMARY	SCRUB	N34° 43' 51.30"	W112° 02' 11.01"	9.6	3,545.8		TRIM/REMOVE
71712	PRIMARY	SCRUB	N34° 43' 51.66"	W112° 02' 11.41"	14.6	3,550.3		TRIM/REMOVE
71720	PRIMARY	SCRUB	N34° 43' 51.76"	W112° 02' 11.50"	17.3	3,552.9		TRIM/REMOVE
71728	PRIMARY	SCRUB	N34° 43' 51.82"	W112° 02' 11.65"	17.0	3,552.6		TRIM/REMOVE
71736	PRIMARY	SCRUB	N34° 43' 51.90"	W112° 02' 11.61"	14.5	3,550.0		TRIM/REMOVE
71744	PRIMARY	SCRUB	N34° 43' 52.03"	W112° 02' 11.54"	13.3	3,548.7		TRIM/REMOVE
71752	PRIMARY	SCRUB	N34° 43' 52.12"	W112° 02' 11.46"	12.1	3,547.5		TRIM/REMOVE
71760	PRIMARY	SCRUB	N34° 43' 52.14"	W112° 02' 11.93"	14.2	3,549.4		TRIM/REMOVE
71768	PRIMARY	SCRUB	N34° 43' 52.04"	W112° 02' 11.38"	11.1	3,546.5		TRIM/REMOVE
71776	PRIMARY	SCRUB	N34° 43' 51.86"	W112° 02' 11.33"	11.6	3,547.3		TRIM/REMOVE
71784	PRIMARY	SCRUB	N34° 43' 52.01"	W112° 02' 11.24"	6.9	3,542.4		TRIM/REMOVE
71792	PRIMARY	SCRUB	N34° 43' 50.95"	W112° 02' 10.86"	10.2	3,546.8		TRIM/REMOVE
71800	PRIMARY	SCRUB	N34° 43' 49.77"	W112° 02' 10.09"	7.7	3,545.5		TRIM/REMOVE
71928	PRIMARY	SCRUB	N34° 43' 47.78"	W112° 02' 09.49"	15.2	3,554.9		TRIM/REMOVE
71936	PRIMARY	SCRUB	N34° 43' 47.49"	W112° 02' 09.17"	11.9	3,552.0		TRIM/REMOVE
71944	PRIMARY	SCRUB	N34° 43' 47.60"	W112° 02' 09.20"	12.2	3,552.1		TRIM/REMOVE
71976	PRIMARY	SCRUB	N34° 43' 47.20"	W112° 02' 09.20"	12.3	3,552.6		TRIM/REMOVE
71984	PRIMARY	SCRUB	N34° 43' 47.24"	W112° 02' 09.06"	11.3	3,551.6		TRIM/REMOVE
71992	PRIMARY	SCRUB	N34° 43' 47.33"	W112° 02' 08.90"	11.1	3,551.3		TRIM/REMOVE
72000	PRIMARY	SCRUB	N34° 43' 47.06"	W112° 02' 08.87"	10.7	3,551.2		TRIM/REMOVE
72008	PRIMARY	SCRUB	N34° 43' 47.12"	W112° 02' 08.71"	10.1	3,550.6		TRIM/REMOVE
72016	PRIMARY	SCRUB	N34° 43' 46.99"	W112° 02' 08.71"	10.9	3,551.5		TRIM/REMOVE
72024	PRIMARY	SCRUB	N34° 43' 46.91"	W112° 02' 08.81"	10.6	3,551.2		TRIM/REMOVE
72032	PRIMARY	SCRUB	N34° 43' 46.74"	W112° 02' 08.85"	10.1	3,550.8		TRIM/REMOVE
72048	PRIMARY	SCRUB	N34° 43' 46.99"	W112° 02' 08.98"	9.3	3,549.9		TRIM/REMOVE
72056	PRIMARY	SCRUB	N34° 43' 46.85"	W112° 02' 08.67"	11.2	3,552.0		TRIM/REMOVE
72064	PRIMARY	SCRUB	N34° 43' 46.80"	W112° 02' 08.57"	9.8	3,550.6		TRIM/REMOVE
72072	PRIMARY	SCRUB	N34° 43' 46.77"	W112° 02' 08.42"	8.4	3,549.2		TRIM/REMOVE
72080	PRIMARY	SCRUB	N34° 43' 46.27"	W112° 02' 08.50"	8.6	3,549.9		TRIM/REMOVE
72088	PRIMARY	SCRUB	N34° 43' 46.32"	W112° 02' 08.54"	8.1	3,549.4		TRIM/REMOVE
72096	PRIMARY	SCRUB	N34° 43' 46.28"	W112° 02' 08.68"	9.0	3,550.2		TRIM/REMOVE
72104	PRIMARY	SCRUB	N34° 43' 46.47"	W112° 02' 08.79"	9.1	3,550.1		TRIM/REMOVE
72112	PRIMARY	SCRUB	N34° 43' 46.40"	W112° 02' 08.26"	9.1	3,550.3		TRIM/REMOVE
72120	PRIMARY	SCRUB	N34° 43' 46.02"	W112° 02' 08.44"	9.9	3,551.5		TRIM/REMOVE
72144	PRIMARY	SCRUB	N34° 43' 45.84"	W112° 02' 08.41"	9.0	3,550.7		TRIM/REMOVE
72152	PRIMARY	SCRUB	N34° 43' 45.74"	W112° 02' 08.28"	8.3	3,550.1		TRIM/REMOVE
72160	PRIMARY	SCRUB	N34° 43' 45.68"	W112° 02' 08.33"	8.9	3,550.7		TRIM/REMOVE
72176	PRIMARY	SCRUB	N34° 43' 45.55"	W112° 02' 08.27"	8.6	3,550.6		TRIM/REMOVE
72296	PRIMARY	SCRUB	N34° 43' 45.28"	W112° 02' 08.17"	8.2	3,550.5		TRIM/REMOVE
72328	PRIMARY	SCRUB	N34° 43' 45.99"	W112° 02' 07.91"	8.5	3,550.2		TRIM/REMOVE
72336	PRIMARY	SCRUB	N34° 43' 45.18"	W112° 02' 07.49"	7.2	3,549.7		TRIM/REMOVE
72344	PRIMARY	SCRUB	N34° 43' 44.97"	W112° 02' 07.44"	6.5	3,549.2		TRIM/REMOVE
72352	PRIMARY	SCRUB	N34° 43' 44.72"	W112° 02' 07.45"	5.6	3,548.5		TRIM/REMOVE
72360	PRIMARY	SCRUB	N34° 43' 44.57"	W112° 02' 07.45"	5.3	3,548.4		TRIM/REMOVE
72368	PRIMARY	SCRUB	N34° 43' 44.46"	W112° 02' 07.56"	6.4	3,549.5		TRIM/REMOVE
72376	PRIMARY	SCRUB	N34° 43' 44.35"	W112° 02' 07.33"	5.0	3,548.2		TRIM/REMOVE
72384	PRIMARY	SCRUB	N34° 43' 44.34"	W112° 02' 07.00"	4.2	3,547.6		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
PRIMARY SURFACE PENETRATION GROUP *(CONT.)*								
72392	PRIMARY	SCRUB	N34° 43' 44.23"	W112° 02' 07.02"	4.1	3,547.6		TRIM/REMOVE
72400	PRIMARY	SCRUB	N34° 43' 43.93"	W112° 02' 07.11"	5.3	3,549.0		TRIM/REMOVE
72408	PRIMARY	SCRUB	N34° 43' 43.69"	W112° 02' 07.22"	4.6	3,548.5		TRIM/REMOVE
72440	PRIMARY	SCRUB	N34° 43' 43.68"	W112° 02' 06.84"	4.3	3,548.4		TRIM/REMOVE
72448	PRIMARY	SCRUB	N34° 43' 43.59"	W112° 02' 06.95"	4.2	3,548.2		TRIM/REMOVE
72456	PRIMARY	SCRUB	N34° 43' 43.44"	W112° 02' 07.00"	4.4	3,548.6		TRIM/REMOVE
72768	PRIMARY	SCRUB	N34° 43' 42.44"	W112° 02' 06.56"	6.2	3,551.3		TRIM/REMOVE
72944	PRIMARY	SCRUB	N34° 43' 41.61"	W112° 02' 05.98"	3.1	3,549.1		TRIM/REMOVE
72952	PRIMARY	SCRUB	N34° 43' 41.69"	W112° 02' 05.91"	2.7	3,548.7		TRIM/REMOVE
72992	PRIMARY	SCRUB	N34° 43' 39.76"	W112° 02' 04.61"	0.4	3,548.5		TRIM/REMOVE
73000	PRIMARY	SCRUB	N34° 43' 39.58"	W112° 02' 04.52"	1.0	3,549.2		TRIM/REMOVE
73016	PRIMARY	SCRUB	N34° 43' 31.06"	W112° 02' 00.30"	9.7	3,566.6		TRIM/REMOVE
73024	PRIMARY	SCRUB	N34° 43' 31.33"	W112° 02' 00.27"	9.7	3,566.3		TRIM/REMOVE
73032	PRIMARY	SCRUB	N34° 43' 30.63"	W112° 02' 00.03"	9.5	3,566.8		TRIM/REMOVE
73176	PRIMARY	SCRUB	N34° 43' 28.80"	W112° 01' 58.57"	6.1	3,565.4		TRIM/REMOVE
73184	PRIMARY	SCRUB	N34° 43' 28.87"	W112° 01' 58.58"	6.2	3,565.4		TRIM/REMOVE
73192	PRIMARY	SCRUB	N34° 43' 29.28"	W112° 01' 58.79"	6.6	3,565.4		TRIM/REMOVE
73200	PRIMARY	SCRUB	N34° 43' 29.55"	W112° 01' 59.09"	9.6	3,568.2		TRIM/REMOVE
73208	PRIMARY	SCRUB	N34° 43' 29.49"	W112° 01' 59.21"	10.1	3,568.7		TRIM/REMOVE
73216	PRIMARY	SCRUB	N34° 43' 28.21"	W112° 01' 58.26"	7.2	3,567.2		TRIM/REMOVE
73224	PRIMARY	SCRUB	N34° 43' 28.20"	W112° 01' 58.40"	7.6	3,567.5		TRIM/REMOVE
73232	PRIMARY	SCRUB	N34° 43' 27.70"	W112° 01' 58.34"	12.3	3,572.6		TRIM/REMOVE
73240	PRIMARY	SCRUB	N34° 43' 27.59"	W112° 01' 58.38"	11.4	3,571.6		TRIM/REMOVE
73280	PRIMARY	SCRUB	N34° 43' 27.20"	W112° 01' 58.17"	11.1	3,571.3		TRIM/REMOVE
73288	PRIMARY	SCRUB	N34° 43' 27.08"	W112° 01' 58.09"	12.4	3,572.5		TRIM/REMOVE
73296	PRIMARY	SCRUB	N34° 43' 26.98"	W112° 01' 58.02"	12.1	3,572.1		TRIM/REMOVE
73304	PRIMARY	SCRUB	N34° 43' 27.35"	W112° 01' 58.21"	12.0	3,572.1		TRIM/REMOVE
73312	PRIMARY	SCRUB	N34° 43' 27.01"	W112° 01' 57.81"	11.1	3,571.1		TRIM/REMOVE
73320	PRIMARY	SCRUB	N34° 43' 27.08"	W112° 01' 57.87"	11.3	3,571.4		TRIM/REMOVE
73328	PRIMARY	SCRUB	N34° 43' 26.83"	W112° 01' 57.90"	12.3	3,572.2		TRIM/REMOVE
73336	PRIMARY	SCRUB	N34° 43' 26.87"	W112° 01' 58.00"	11.4	3,571.4		TRIM/REMOVE
73456	PRIMARY	SCRUB	N34° 43' 26.61"	W112° 01' 57.59"	12.9	3,572.7		TRIM/REMOVE
73464	PRIMARY	SCRUB	N34° 43' 26.36"	W112° 01' 57.52"	12.8	3,572.6		TRIM/REMOVE
73472	PRIMARY	SCRUB	N34° 43' 26.20"	W112° 01' 57.51"	13.5	3,573.2		TRIM/REMOVE
73480	PRIMARY	SCRUB	N34° 43' 26.22"	W112° 01' 57.66"	12.9	3,572.6		TRIM/REMOVE
73576	PRIMARY	SCRUB	N34° 43' 27.87"	W112° 01' 53.61"	2.8	3,562.6		TRIM/REMOVE
73584	PRIMARY	SCRUB	N34° 43' 28.35"	W112° 01' 53.85"	3.4	3,563.3		TRIM/REMOVE
73592	PRIMARY	TREE	N34° 43' 29.08"	W112° 01' 53.73"	5.6	3,565.8		TRIM/REMOVE
73600	PRIMARY	SCRUB	N34° 43' 30.43"	W112° 01' 55.08"	0.8	3,559.8		TRIM/REMOVE
73624	PRIMARY	SCRUB	N34° 43' 30.81"	W112° 01' 54.91"	0.0	3,558.8		TRIM/REMOVE
73656	PRIMARY	SCRUB	N34° 43' 32.20"	W112° 01' 56.08"	0.4	3,557.6		TRIM/REMOVE
73688	PRIMARY	SCRUB	N34° 43' 33.02"	W112° 01' 56.41"	1.1	3,557.5		TRIM/REMOVE
73824	PRIMARY	SCRUB	N34° 43' 34.59"	W112° 01' 57.21"	0.4	3,555.3		TRIM/REMOVE
73848	PRIMARY	SCRUB	N34° 43' 35.10"	W112° 01' 57.39"	0.2	3,554.5		TRIM/REMOVE
73888	PRIMARY	SCRUB	N34° 43' 36.13"	W112° 01' 57.86"	0.9	3,554.3		TRIM/REMOVE
73904	PRIMARY	SCRUB	N34° 43' 36.37"	W112° 01' 58.35"	0.4	3,553.4		TRIM/REMOVE
73992	PRIMARY	SCRUB	N34° 43' 41.67"	W112° 02' 01.23"	3.1	3,550.7		TRIM/REMOVE
74000	PRIMARY	TREE	N34° 43' 41.91"	W112° 02' 01.25"	6.1	3,553.4		TRIM/REMOVE
74024	PRIMARY	TREE	N34° 43' 43.03"	W112° 02' 01.73"	4.7	3,550.9		TRIM/REMOVE
74032	PRIMARY	TREE	N34° 43' 42.96"	W112° 02' 01.66"	2.4	3,548.7		TRIM/REMOVE
74080	PRIMARY	TREE	N34° 43' 43.98"	W112° 02' 01.66"	1.2	3,546.6		TRIM/REMOVE
74096	PRIMARY	TREE	N34° 43' 43.69"	W112° 02' 02.30"	4.7	3,550.2		TRIM/REMOVE
74160	PRIMARY	TREE	N34° 43' 45.25"	W112° 02' 02.82"	0.4	3,544.4		TRIM/REMOVE
74168	PRIMARY	TREE	N34° 43' 45.48"	W112° 02' 03.00"	3.4	3,547.1		TRIM/REMOVE
74184	PRIMARY	SCRUB	N34° 43' 45.75"	W112° 02' 03.42"	3.1	3,546.5		TRIM/REMOVE
74200	PRIMARY	TREE	N34° 43' 43.39"	W112° 02' 02.01"	8.8	3,554.6		TRIM/REMOVE
74208	PRIMARY	TREE	N34° 43' 44.90"	W112° 02' 02.86"	4.7	3,548.9		TRIM/REMOVE
74216	PRIMARY	TREE	N34° 43' 46.28"	W112° 02' 03.53"	4.5	3,547.3		TRIM/REMOVE
74264	PRIMARY	SCRUB	N34° 43' 48.96"	W112° 02' 04.68"	0.8	3,541.0		TRIM/REMOVE
74272	PRIMARY	SCRUB	N34° 43' 48.78"	W112° 02' 04.95"	2.5	3,542.8		TRIM/REMOVE
74296	PRIMARY	TREE	N34° 43' 47.00"	W112° 02' 02.63"	1.5	3,544.0		TRIM/REMOVE
74544	PRIMARY	SCRUB	N34° 43' 34.31"	W112° 02' 01.32"	4.2	3,557.9		TRIM/REMOVE
74552	PRIMARY	SCRUB	N34° 43' 34.57"	W112° 02' 01.82"	8.4	3,561.8		TRIM/REMOVE
74560	PRIMARY	SCRUB	N34° 43' 35.06"	W112° 02' 02.38"	13.1	3,565.9		TRIM/REMOVE
74568	PRIMARY	SCRUB	N34° 43' 35.40"	W112° 02' 02.66"	16.5	3,569.0		TRIM/REMOVE
74576	PRIMARY	SCRUB	N34° 43' 41.99"	W112° 02' 05.80"	2.7	3,548.5		TRIM/REMOVE
74584	PRIMARY	SCRUB	N34° 43' 42.20"	W112° 02' 05.80"	1.7	3,547.3		TRIM/REMOVE
74592	PRIMARY	SCRUB	N34° 43' 42.52"	W112° 02' 06.32"	5.2	3,550.4		TRIM/REMOVE
74600	PRIMARY	SCRUB	N34° 43' 42.65"	W112° 02' 06.43"	4.6	3,549.7		TRIM/REMOVE
74608	PRIMARY	SCRUB	N34° 43' 43.39"	W112° 02' 06.56"	5.7	3,550.1		TRIM/REMOVE
74616	PRIMARY	SCRUB	N34° 43' 43.51"	W112° 02' 06.93"	4.4	3,548.5		TRIM/REMOVE
74624	PRIMARY	SCRUB	N34° 43' 44.05"	W112° 02' 07.24"	3.7	3,547.2		TRIM/REMOVE
74632	PRIMARY	SCRUB	N34° 43' 46.08"	W112° 02' 08.13"	8.7	3,550.2		TRIM/REMOVE
74640	PRIMARY	SCRUB	N34° 43' 45.56"	W112° 02' 07.74"	7.5	3,549.6		TRIM/REMOVE
74648	PRIMARY	SCRUB	N34° 43' 45.53"	W112° 02' 08.14"	7.6	3,549.6		TRIM/REMOVE
74656	PRIMARY	SCRUB	N34° 43' 49.05"	W112° 02' 10.06"	15.8	3,554.2		TRIM/REMOVE
74664	PRIMARY	SCRUB	N34° 43' 48.67"	W112° 02' 09.94"	15.9	3,554.7		TRIM/REMOVE
74672	PRIMARY	SCRUB	N34° 43' 51.46"	W112° 02' 06.10"	4.9	3,542.5		TRIM/REMOVE
74680	PRIMARY	SCRUB	N34° 43' 51.23"	W112° 02' 05.81"	6.7	3,544.6		TRIM/REMOVE

NOTES

1. SURVEY PERFORMED JULY 2020.
2. PART 77 SURFACES BASED ON 14 CFR PART 77.
3. PART 77 APPROACH SURFACES SHOWN ON SHEET 34 - INNER PORTION OF THE APPROACH SURFACE DRAWING; PART 77 APPROACH SURFACE OBSTRUCTIONS LISTED ON SHEETS 35-36.
4. TRAVERSEWAY ELEVATIONS INCLUDE THE FOLLOWING ADJUSTMENTS: PRIVATE ROADS: 10', PUBLIC ROADS: 15'. NO INTERSTATE HIGHWAYS OR RAILROADS ARE LOCATED IN THE IMMEDIATE VICINITY OF THE AIRPORT.
5. SURVEY IDENTIFIED A TOTAL OF 6,298 OBSTRUCTIONS TO PART 77 SURFACES, NOT INCLUDING PART 77 APPROACH SURFACES. OBSTRUCTIONS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT TOP 2% OF PENETRATIONS TO EACH PART 77 SURFACE.
6. OBSTRUCTION GROUPS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT APPROXIMATE LOCATION OF ALL OBSTRUCTIONS. COMPREHENSIVE LISTS OF OBSTRUCTIONS TO EACH PART 77 SURFACE, NOT INCLUDING PART 77 APPROACH SURFACES, ARE INCLUDED ON SHEETS 7-33.
7. OBSTRUCTION DESCRIPTIONS ARE GROUPED IN THE SUMMARY TABLE ON SHEET 6 - AIRPORT AIRSPACE DRAWING PER THE FOLLOWING: VEGETATION = BUSH, SCRUB, TREE; GROUND = GROUND; BUILDINGS/HANGARS = BUILDING, HANGAR; POLES/TOWERS = ANTENNA, BEACON, POLE, POLE_LIGHT, POLE_UTIL, POST, TRANSMISSION_PYLON, VERTICAL_POINT; NAVAIDS = PAPI, PAPI_CONTROL_BOX, REIL, SIGN, WINDSOCK; GROUND TRANSPORTATION = PARKING_LOT, ROAD - PRIVATE, ROAD - PUBLIC, STREET SIGN; UTILITY INFRASTRUCTURE = A/G PIPE, DAM, ELEC_BOX, MISC_UTIL, SOLAR_PANELS, TANK, TRANSFORMER; FENCE = FENCE, GATE; OTHER = CANOPY, DIRT_PILE, WALL
8. ALL HEIGHTS SHOWN IN FEET.
9. OBSTRUCTION HEIGHT ABOVE GROUND LEVEL PROVIDED WHERE AVAILABLE.
10. DEFINITIONS: PEN = PENETRATION; MSL = MEAN SEA LEVEL; AGL = ABOVE GROUND LEVEL; OL = OBSTRUCTION LIGHTING; DNH = DETERMINATION OF NO HAZARD

NO.	DATE	REVISIONS	BY	APPR.
5				
4				
3				
2				
1				

Kimley»Horn

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COTTONWOOD MUNICIPAL AIRPORT
COTTONWOOD, AZ

AIRPORT AIRSPACE DRAWING - PART 77 SURFACE PENETRATION TABLES (4 OF 27)

JOB NO. 291447000	DRAWN KH	CHECKED CBW	
DATE: DECEMBER 2022	DESIGNED JTC	APPROVED CBW	SHEET 10 OF 40

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
PRIMARY SURFACE PENETRATION GROUP *(CONT.)*								
74688	PRIMARY	SCRUB	N34° 43' 51.84"	W112° 02' 06.32"	6.0	3,543.3		TRIM/REMOVE
74704	PRIMARY	BUSH	N34° 43' 51.35"	W112° 02' 04.99"	4.3	3,542.3		TRIM/REMOVE
74712	PRIMARY	BUSH	N34° 43' 51.00"	W112° 02' 04.91"	2.2	3,540.6		TRIM/REMOVE
74728	PRIMARY	BUSH	N34° 43' 50.27"	W112° 02' 04.45"	0.8	3,540.0		TRIM/REMOVE
74736	PRIMARY	BUSH	N34° 43' 50.45"	W112° 02' 04.54"	0.1	3,539.1		TRIM/REMOVE
74768	PRIMARY	BUSH	N34° 43' 51.87"	W112° 02' 05.27"	2.6	3,540.1		TRIM/REMOVE
74808	PRIMARY	BUSH	N34° 43' 52.01"	W112° 02' 05.30"	2.1	3,539.5		TRIM/REMOVE
74816	PRIMARY	BUSH	N34° 43' 51.99"	W112° 02' 05.42"	2.1	3,539.5		TRIM/REMOVE
74864	PRIMARY	BUSH	N34° 43' 53.91"	W112° 02' 06.48"	3.1	3,538.5		TRIM/REMOVE
74880	PRIMARY	BUSH	N34° 43' 54.39"	W112° 02' 06.69"	3.2	3,538.1		TRIM/REMOVE
74888	PRIMARY	BUSH	N34° 43' 54.47"	W112° 02' 06.80"	3.1	3,537.9		TRIM/REMOVE
74896	PRIMARY	BUSH	N34° 43' 54.63"	W112° 02' 06.88"	2.5	3,537.1		TRIM/REMOVE
74904	PRIMARY	BUSH	N34° 43' 54.76"	W112° 02' 06.87"	4.7	3,539.3		TRIM/REMOVE
74920	PRIMARY	BUSH	N34° 43' 55.19"	W112° 02' 07.18"	2.8	3,536.9		TRIM/REMOVE
74968	PRIMARY	BUSH	N34° 43' 56.67"	W112° 02' 07.96"	2.9	3,535.5		TRIM/REMOVE
74976	PRIMARY	MISC_UTIL	N34° 43' 59.95"	W112° 02' 09.73"	4.4	3,533.7	4.1	PROVIDE OL
74984	PRIMARY	SCRUB	N34° 43' 50.17"	W112° 02' 10.59"	17.1	3,554.4		TRIM/REMOVE
74992	PRIMARY	SCRUB	N34° 43' 50.70"	W112° 02' 10.95"	17.2	3,553.9		TRIM/REMOVE
75000	PRIMARY	SCRUB	N34° 43' 50.45"	W112° 02' 10.91"	18.4	3,555.3		TRIM/REMOVE
75008	PRIMARY	SCRUB	N34° 43' 50.58"	W112° 02' 10.85"	18.1	3,554.9		TRIM/REMOVE
75016	PRIMARY	SCRUB	N34° 43' 43.24"	W112° 02' 07.00"	7.1	3,551.5		TRIM/REMOVE
75024	PRIMARY	SCRUB	N34° 43' 42.94"	W112° 02' 06.82"	5.6	3,550.2		TRIM/REMOVE
75032	PRIMARY	SCRUB	N34° 43' 42.88"	W112° 02' 06.58"	3.8	3,548.6		TRIM/REMOVE
75048	PRIMARY	SCRUB	N34° 43' 41.23"	W112° 02' 05.86"	3.8	3,550.2		TRIM/REMOVE
75056	PRIMARY	SCRUB	N34° 43' 41.12"	W112° 02' 05.52"	1.3	3,547.9		TRIM/REMOVE
75064	PRIMARY	SCRUB	N34° 43' 33.37"	W112° 02' 01.52"	8.5	3,563.0		TRIM/REMOVE
75072	PRIMARY	SCRUB	N34° 43' 32.77"	W112° 02' 00.54"	3.6	3,558.9		TRIM/REMOVE
75080	PRIMARY	SCRUB	N34° 43' 32.50"	W112° 02' 01.09"	12.5	3,567.9		TRIM/REMOVE
75096	PRIMARY	SCRUB	N34° 43' 37.23"	W112° 02' 03.10"	4.7	3,555.4		TRIM/REMOVE
75104	PRIMARY	SCRUB	N34° 43' 37.32"	W112° 02' 03.60"	4.5	3,555.0		TRIM/REMOVE
75112	PRIMARY	SCRUB	N34° 43' 42.21"	W112° 02' 05.66"	4.8	3,550.5		TRIM/REMOVE
75120	PRIMARY	SCRUB	N34° 43' 50.91"	W112° 02' 10.55"	7.3	3,544.0		TRIM/REMOVE
75128	PRIMARY	SCRUB	N34° 43' 50.94"	W112° 02' 10.47"	6.8	3,543.5		TRIM/REMOVE
76587	PRIMARY	GROUND	N34° 44' 08.79"	W112° 02' 20.97"	3.8	3,521.9		GRADE
77771	PRIMARY	TREE	N34° 43' 22.57"	W112° 01' 55.57"	17.4	3,575.8		TRIM/REMOVE
77779	PRIMARY	TREE	N34° 43' 22.79"	W112° 01' 55.78"	16.9	3,575.4		TRIM/REMOVE
77827	PRIMARY	TREE	N34° 43' 23.53"	W112° 01' 56.09"	22.4	3,581.1		TRIM/REMOVE
77835	PRIMARY	TREE	N34° 43' 23.69"	W112° 01' 55.90"	18.9	3,577.7		TRIM/REMOVE
77843	PRIMARY	TREE	N34° 43' 23.94"	W112° 01' 55.84"	15.1	3,574.0		TRIM/REMOVE
77851	PRIMARY	TREE	N34° 43' 23.78"	W112° 01' 56.02"	13.4	3,572.2		TRIM/REMOVE
77859	PRIMARY	TREE	N34° 43' 23.73"	W112° 01' 55.81"	20.0	3,578.8		TRIM/REMOVE
77867	PRIMARY	TREE	N34° 43' 23.72"	W112° 01' 55.71"	22.5	3,581.3		TRIM/REMOVE
77875	PRIMARY	TREE	N34° 43' 23.52"	W112° 01' 55.62"	19.6	3,578.3		TRIM/REMOVE
77883	PRIMARY	TREE	N34° 43' 23.41"	W112° 01' 55.58"	19.1	3,577.8		TRIM/REMOVE
77891	PRIMARY	TREE	N34° 43' 23.73"	W112° 01' 55.44"	21.3	3,580.0		TRIM/REMOVE
77899	PRIMARY	TREE	N34° 43' 23.87"	W112° 01' 55.66"	15.0	3,573.8		TRIM/REMOVE
77907	PRIMARY	TREE	N34° 43' 23.78"	W112° 01' 55.22"	15.0	3,573.7		TRIM/REMOVE
77915	PRIMARY	TREE	N34° 43' 23.98"	W112° 01' 55.17"	14.2	3,573.0		TRIM/REMOVE
77923	PRIMARY	TREE	N34° 43' 23.86"	W112° 01' 54.97"	15.8	3,574.6		TRIM/REMOVE
77931	PRIMARY	TREE	N34° 43' 24.04"	W112° 01' 55.01"	15.3	3,574.1		TRIM/REMOVE
77939	PRIMARY	TREE	N34° 43' 24.11"	W112° 01' 54.74"	12.8	3,571.6		TRIM/REMOVE
77947	PRIMARY	TREE	N34° 43' 24.23"	W112° 01' 54.84"	11.9	3,570.7		TRIM/REMOVE
77955	PRIMARY	TREE	N34° 43' 24.25"	W112° 01' 55.08"	11.4	3,570.3		TRIM/REMOVE
77963	PRIMARY	TREE	N34° 43' 24.89"	W112° 01' 53.94"	9.2	3,568.1		TRIM/REMOVE
77971	PRIMARY	TREE	N34° 43' 25.11"	W112° 01' 53.83"	6.4	3,565.4		TRIM/REMOVE
77979	PRIMARY	TREE	N34° 43' 24.94"	W112° 01' 53.58"	6.9	3,565.8		TRIM/REMOVE
77987	PRIMARY	TREE	N34° 43' 25.26"	W112° 01' 52.64"	8.6	3,567.5		TRIM/REMOVE
77995	PRIMARY	TREE	N34° 43' 25.42"	W112° 01' 52.66"	8.2	3,567.2		TRIM/REMOVE
78003	PRIMARY	TREE	N34° 43' 25.26"	W112° 01' 52.21"	6.6	3,565.4		TRIM/REMOVE
78011	PRIMARY	TREE	N34° 43' 25.06"	W112° 01' 52.10"	8.4	3,567.2		TRIM/REMOVE
78019	PRIMARY	TREE	N34° 43' 24.55"	W112° 01' 52.10"	6.0	3,564.7		TRIM/REMOVE
78027	PRIMARY	TREE	N34° 43' 24.18"	W112° 01' 52.50"	8.0	3,566.5		TRIM/REMOVE
78035	PRIMARY	TREE	N34° 43' 24.39"	W112° 01' 51.94"	5.9	3,564.4		TRIM/REMOVE
78043	PRIMARY	TREE	N34° 43' 24.56"	W112° 01' 51.73"	4.3	3,563.0		TRIM/REMOVE
78051	PRIMARY	TREE	N34° 43' 24.82"	W112° 01' 51.40"	9.3	3,567.9		TRIM/REMOVE
78059	PRIMARY	TREE	N34° 43' 24.78"	W112° 01' 51.56"	6.3	3,564.9		TRIM/REMOVE
78067	PRIMARY	TREE	N34° 43' 25.11"	W112° 01' 51.54"	6.3	3,565.1		TRIM/REMOVE
78075	PRIMARY	TREE	N34° 43' 25.19"	W112° 01' 51.74"	6.9	3,565.7		TRIM/REMOVE
78083	PRIMARY	TREE	N34° 43' 25.26"	W112° 01' 52.04"	8.1	3,566.9		TRIM/REMOVE
78091	PRIMARY	TREE	N34° 43' 25.29"	W112° 01' 51.54"	6.1	3,564.9		TRIM/REMOVE
78099	PRIMARY	TREE	N34° 43' 25.50"	W112° 01' 51.57"	8.4	3,567.3		TRIM/REMOVE
78107	PRIMARY	TREE	N34° 43' 25.48"	W112° 01' 51.75"	6.7	3,565.5		TRIM/REMOVE
78115	PRIMARY	TREE	N34° 43' 25.64"	W112° 01' 51.83"	7.2	3,566.2		TRIM/REMOVE
78123	PRIMARY	TREE	N34° 43' 25.60"	W112° 01' 52.03"	9.2	3,568.1		TRIM/REMOVE
78131	PRIMARY	TREE	N34° 43' 26.37"	W112° 01' 52.83"	5.2	3,564.4		TRIM/REMOVE
78139	PRIMARY	TREE	N34° 43' 26.29"	W112° 01' 52.34"	6.9	3,566.0		TRIM/REMOVE
78163	PRIMARY	TREE	N34° 43' 25.06"	W112° 01' 50.51"	11.5	3,570.1		TRIM/REMOVE
78203	PRIMARY	TREE	N34° 43' 24.19"	W112° 01' 51.15"	9.2	3,567.6		TRIM/REMOVE
78211	PRIMARY	TREE	N34° 43' 24.07"	W112° 01' 51.47"	12.2	3,570.6		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
PRIMARY SURFACE PENETRATION GROUP *(CONT.)*								
78219	PRIMARY	TREE	N34° 43' 24.16"	W112° 01' 51.32"	8.4	3,566.8		TRIM/REMOVE
78235	PRIMARY	TREE	N34° 43' 23.98"	W112° 01' 51.99"	6.0	3,564.5		TRIM/REMOVE
78299	PRIMARY	TREE	N34° 43' 23.39"	W112° 01' 53.65"	13.2	3,571.6		TRIM/REMOVE
78307	PRIMARY	TREE	N34° 43' 23.27"	W112° 01' 53.69"	13.9	3,572.4		TRIM/REMOVE
78315	PRIMARY	TREE	N34° 43' 23.31"	W112° 01' 53.86"	13.7	3,572.1		TRIM/REMOVE
78323	PRIMARY	TREE	N34° 43' 23.75"	W112° 01' 53.33"	9.3	3,567.8		TRIM/REMOVE
78331	PRIMARY	TREE	N34° 43' 23.64"	W112° 01' 52.92"	7.2	3,565.7		TRIM/REMOVE
78339	PRIMARY	TREE	N34° 43' 23.73"	W112° 01' 52.47"	7.5	3,566.0		TRIM/REMOVE
78347	PRIMARY	TREE	N34° 43' 24.52"	W112° 01' 52.65"	6.6	3,565.3		TRIM/REMOVE
78355	PRIMARY	TREE	N34° 43' 24.59"	W112° 01' 52.54"	6.4	3,565.1		TRIM/REMOVE
78363	PRIMARY	TREE	N34° 43' 24.30"	W112° 01' 52.11"	5.5	3,564.1		TRIM/REMOVE
78371	PRIMARY	TREE	N34° 43' 24.62"	W112° 01' 56.00"	14.9	3,574.0		TRIM/REMOVE
78379	PRIMARY	TREE	N34° 43' 24.54"	W112° 01' 56.32"	18.8	3,577.9		TRIM/REMOVE
78387	PRIMARY	TREE	N34° 43' 24.62"	W112° 01' 56.41"	18.2	3,577.3		TRIM/REMOVE
78395	PRIMARY	TREE	N34° 43' 24.62"	W112° 01' 56.71"	20.6	3,579.8		TRIM/REMOVE
78403	PRIMARY	TREE	N34° 43' 24.65"	W112° 01' 56.79"	18.6	3,577.8		TRIM/REMOVE
78435	PRIMARY	TREE	N34° 43' 25.27"	W112° 01' 57.07"	23.6	3,583.0		TRIM/REMOVE
78443	PRIMARY	TREE	N34° 43' 25.37"	W112° 01' 56.94"	17.8	3,577.2		TRIM/REMOVE
78451	PRIMARY	TREE	N34° 43' 25.52"	W112° 01' 56.94"	16.7	3,576.2		TRIM/REMOVE
78459	PRIMARY	TREE	N34° 43' 25.44"	W112° 01' 57.12"	16.5	3,576.0		TRIM/REMOVE
78491	PRIMARY	TREE	N34° 43' 25.87"	W112° 01' 57.14"	16.4	3,576.0		TRIM/REMOVE
78499	PRIMARY	TREE	N34° 43' 25.28"	W112° 01' 56.65"	14.4	3,573.8		TRIM/REMOVE
78507	PRIMARY	TREE	N34° 43' 25.14"	W112° 01' 56.63"	14.6	3,573.9		TRIM/REMOVE
78515	PRIMARY	TREE	N34° 43' 25.02"	W112° 01' 50.80"	9.4	3,568.0		TRIM/REMOVE
78523	PRIMARY	TREE	N34° 43' 24.78"	W112° 01' 50.88"	8.0	3,566.6		TRIM/REMOVE
78531	PRIMARY	TREE	N34° 43' 24.96"	W112° 01' 50.99"	8.4	3,567.1		TRIM/REMOVE
79819	PRIMARY	SCRUB	N34° 43' 23.37"	W112° 01' 53.15"	8.2	3,566.6		TRIM/REMOVE
79827	PRIMARY	SCRUB	N34° 43' 23.50"	W112° 01' 53.20"	7.6	3,566.0		TRIM/REMOVE
79843	PRIMARY	SCRUB	N34° 43' 23.36"	W112° 01' 53.30"	7.6	3,566.0		TRIM/REMOVE
79891	PRIMARY	SCRUB	N34° 43' 23.63"	W112° 01' 53.05"	5.2	3,563.7		TRIM/REMOVE
79899	PRIMARY	SCRUB	N34° 43' 23.55"	W112° 01' 52.93"	5.7	3,564.2		TRIM/REMOVE
79907	PRIMARY	SCRUB	N34° 43' 23.60"	W112° 01' 52.78"	4.7	3,563.2		TRIM/REMOVE
79939	PRIMARY	SCRUB	N34° 43' 23.31"	W112° 01' 56.05"	14.6	3,573.3		TRIM/REMOVE
79947	PRIMARY	SCRUB	N34° 43' 23.37"	W112° 01' 55.41"	12.9	3,571.6		TRIM/REMOVE
79955	PRIMARY	SCRUB	N34° 43' 23.52"	W112° 01' 55.26"	11.3	3,570.0		TRIM/REMOVE
79963	PRIMARY	SCRUB	N34° 43' 23.59"	W112° 01' 54.96"	11.0	3,569.7		TRIM/REMOVE
79971	PRIMARY	SCRUB	N34° 43' 23.63"	W112° 01' 54.86"	11.3	3,570.0		TRIM/REMOVE
79979	PRIMARY	SCRUB	N34° 43' 23.70"	W112° 01' 54.71"	11.5	3,570.2		TRIM/REMOVE
79987	PRIMARY	SCRUB	N34° 43' 23.68"	W112° 01' 54.63"	11.2	3,569.8		TRIM/REMOVE
79995	PRIMARY	SCRUB	N34° 43' 23.60"	W112° 01' 54.54"	10.2	3,568.8		TRIM/REMOVE
80003	PRIMARY	SCRUB	N34° 43' 23.18"	W112° 01' 54.70"	11.7	3,570.2		TRIM/REMOVE
80011	PRIMARY	SCRUB	N34° 43' 23.15"	W112° 01' 54.80"	11.6	3,570.1		TRIM/REMOVE
80019	PRIMARY	SCRUB	N34° 43' 23.30"	W112° 01' 54.32"	10.2	3,568.7		TRIM/REMOVE
80027	PRIMARY	SCRUB	N34° 43' 23.42"	W112° 01' 54.59"	10.0	3,568.6		TRIM/REMOVE
80035	PRIMARY	SCRUB	N34° 43' 23.76"	W112° 01' 54.09"	9.1	3,567.7		TRIM/REMOVE
80043	PRIMARY	SCRUB	N34° 43' 23.57"	W112° 01' 53.88"	7.2	3,565.7		TRIM/REMOVE
80051	PRIMARY	SCRUB	N34° 43' 23.60"	W112° 01' 53.69"	7.3	3,565.9		TRIM/REMOVE
80059	PRIMARY	SCRUB	N34° 43' 23.74"	W112° 01' 53.75"	7.0	3,565.6		TRIM/REMOVE
80067	PRIMARY	SCRUB	N34° 43' 23.91"	W112° 01' 53.51"	4.3	3,562.9		TRIM/REMOVE
80075	PRIMARY	SCRUB	N34° 43' 23.77"	W112° 01' 53.94"	5.5	3,564.1		TRIM/REMOVE
80083	PRIMARY	SCRUB	N34° 43' 24.20"	W112° 01' 54.08"	7.6	3,566.4		TRIM/REMOVE
80091	PRIMARY	SCRUB	N34° 43' 24.31"	W112° 01' 54.19"	7.3	3,566.1		TRIM/REMOVE
80099	PRIMARY	SCRUB	N34° 43' 24.19"	W112° 01' 54.21"	7.3	3,566.1		TRIM/REMOVE
80107	PRIMARY	SCRUB	N34° 43' 24.34"	W112° 01' 54.27"	7.7	3,566.5		TRIM/REMOVE
80115	PRIMARY	SCRUB	N34° 43' 24.27"	W112° 01' 54.36"	7.6	3,566.4		TRIM/REMOVE
80123	PRIMARY	SCRUB	N34° 43' 24.28"	W112° 01' 54.52"	7.0	3,565.9		TRIM/REMOVE
80131	PRIMARY	SCRUB	N34° 43' 24.43"	W112° 01' 54.64"	7.8	3,566.7		TRIM/REMOVE
80139	PRIMARY	SCRUB	N34° 43' 24.17"	W112° 01' 54.63"	7.9	3,566.7		TRIM/REMOVE
80147	PRIMARY	SCRUB	N34° 43' 23.97"	W112° 01' 54.69"	10.1	3,568.8		TRIM/REMOVE
80155	PRIMARY	SCRUB	N34° 43' 23.92"	W112° 01' 54.78"	10.5	3,569.2		TRIM/REMOVE
80163	PRIMARY	SCRUB	N34° 43' 23.95"	W112° 01' 54.60"	8.9	3,567.6		TRIM/REMOVE
80171	PRIMARY	SCRUB	N34° 43' 23.71"	W112° 01' 54.49"	8.9	3,567.6		TRIM/REMOVE
80179	PRIMARY	SCRUB	N34° 43' 23.85"	W112° 01' 55.37"	11.8	3,570.6		TRIM/REMOVE
80187	PRIMARY	SCRUB	N34° 43' 24.16"	W112° 01' 55.47"	10.1	3,569.0		TRIM/REMOVE
80195	PRIMARY	SCRUB	N34° 43' 24.01"	W112° 01' 55.67"	11.6	3,570.5		TRIM/REMOVE
80203	PRIMARY	TREE	N34° 43' 24.35"	W112° 01' 56.62"	21.1	3,580.2		TRIM/REMOVE
80243	PRIMARY	TREE	N34° 43' 24.28"	W112° 01' 56.39"	18.7	3,577.7		TRIM/REMOVE
80251	PRIMARY	TREE	N34° 43' 24.18"	W112° 01' 56.55"	19.6	3,578.6		TRIM/REMOVE
80259	PRIMARY	TREE	N34° 43' 24.07"	W112° 01' 56.22"	17.2	3,576.1		TRIM/REMOVE
80395	PRIMARY	TREE	N34° 43' 23.68"	W112° 01' 56.29"	19.6	3,578.5		TRIM/REMOVE
80411	PRIMARY	TREE	N34° 43' 24.71"	W112° 01' 53.43"	7.1	3,565.9		TRIM/REMOVE
80419	PRIMARY	SCRUB	N34° 43' 25.48"	W112° 01' 53.70"	6.6	3,565.7		TRIM/REMOVE
80427	PRIMARY	SCRUB	N34° 43' 25.43"	W112° 01' 53.83"	5.9	3,565.0		TRIM/REMOVE
80435	PRIMARY	SCRUB	N34° 43' 25.42"	W112° 01' 53.94"	6.0	3,565.2		TRIM/REMOVE
80443	PRIMARY	SCRUB	N34° 43' 25.54"	W112° 01' 54.11"	5.4	3,564.5		TRIM/REMOVE
80451	PRIMARY	SCRUB	N34° 43' 25.33"	W112° 01' 54.30"	4.8	3,563.9		TRIM/REMOVE
80459	PRIMARY	SCRUB	N34° 43' 25.21"	W112° 01' 54.25"	5.3	3,564.4		TRIM/REMOVE
80467	PRIMARY	SCRUB	N34° 43' 25.10"	W112° 01' 54.30"	5.4	3,564.4		TRIM/REMOVE
80475	PRIMARY	SCRUB	N34° 43' 25.01"	W112° 01' 54.27"	5.6	3,564.7		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
PRIMARY SURFACE PENETRATION GROUP *(CONT.)*								
80483	PRIMARY	SCRUB	N34° 43' 24.89"	W112° 01' 54.20"	5.2	3,564.2		TRIM/REMOVE
80491	PRIMARY	SCRUB	N34° 43' 24.91"	W112° 01' 53.76"	3.4	3,562.3		TRIM/REMOVE
80499	PRIMARY	SCRUB	N34° 43' 25.01"	W112° 01' 53.71"	3.2	3,562.2		TRIM/REMOVE
80507	PRIMARY	SCRUB	N34° 43' 25.16"	W112° 01' 53.57"	2.5	3,561.4		TRIM/REMOVE
80515	PRIMARY	SCRUB	N34° 43' 25.05"	W112° 01' 53.40"	3.4	3,562.3		TRIM/REMOVE
80523	PRIMARY	SCRUB	N34° 43' 24.97"	W112° 01' 53.29"	3.7	3,562.6		TRIM/REMOVE
80531	PRIMARY	SCRUB	N34° 43' 25.00"	W112° 01' 52.92"	2.1	3,561.0		TRIM/REMOVE
80539	PRIMARY	SCRUB	N34° 43' 24.98"	W112° 01' 53.04"	1.6	3,560.5		TRIM/REMOVE
80547	PRIMARY	SCRUB	N34° 43' 25.18"	W112° 01' 53.00"	4.1	3,563.1		TRIM/REMOVE
80563	PRIMARY	SCRUB	N34° 43' 25.34"	W112° 01' 53.23"	3.7	3,562.7		TRIM/REMOVE
80571	PRIMARY	SCRUB	N34° 43' 25.27"	W112° 01' 53.39"	4.3	3,563.3		TRIM/REMOVE
80579	PRIMARY	SCRUB	N34° 43' 25.34"	W112° 01' 53.57"	3.6	3,562.7		TRIM/REMOVE
80587	PRIMARY	SCRUB	N34° 43' 25.38"	W112° 01' 53.68"	3.6	3,562.7		TRIM/REMOVE
80595	PRIMARY	SCRUB	N34° 43' 25.29"	W112° 01' 53.75"	3.9	3,562.9		TRIM/REMOVE
80603	PRIMARY	SCRUB	N34° 43' 25.73"	W112° 01' 53.68"	4.0	3,563.2		TRIM/REMOVE
80611	PRIMARY	SCRUB	N34° 43' 25.79"	W112° 01' 53.94"	4.0	3,563.2		TRIM/REMOVE
80619	PRIMARY	SCRUB	N34° 43' 25.82"	W112° 01' 53.39"	3.6	3,562.8		TRIM/REMOVE
80627	PRIMARY	SCRUB	N34° 43' 25.84"	W112° 01' 53.30"	3.8	3,562.9		TRIM/REMOVE
80635	PRIMARY	SCRUB	N34° 43' 25.60"	W112° 01' 53.08"	3.9	3,562.9		TRIM/REMOVE
80643	PRIMARY	SCRUB	N34° 43' 25.47"	W112° 01' 52.96"	4.0	3,563.1		TRIM/REMOVE
80651	PRIMARY	SCRUB	N34° 43' 25.33"	W112° 01' 52.86"	3.1	3,562.1		TRIM/REMOVE
80659	PRIMARY	SCRUB	N34° 43' 25.22"	W112° 01' 52.89"	2.6	3,561.6		TRIM/REMOVE
80667	PRIMARY	SCRUB	N34° 43' 25.13"	W112° 01' 52.78"	1.2	3,560.1		TRIM/REMOVE
80675	PRIMARY	SCRUB	N34° 43' 25.01"	W112° 01' 52.64"	1.2	3,560.0		TRIM/REMOVE
80683	PRIMARY	SCRUB	N34° 43' 24.97"	W112° 01' 52.74"	1.2	3,560.0		TRIM/REMOVE
80691	PRIMARY	SCRUB	N34° 43' 25.09"	W112° 01' 52.38"	4.6	3,563.4		TRIM/REMOVE
80699	PRIMARY	SCRUB	N34° 43' 25.15"	W112° 01' 52.63"	5.8	3,564.7		TRIM/REMOVE
80707	PRIMARY	TREE	N34° 43' 24.97"	W112° 01' 52.03"	10.1	3,568.9		TRIM/REMOVE
80715	PRIMARY	SCRUB	N34° 43' 25.03"	W112° 01' 51.08"	3.3	3,562.0		TRIM/REMOVE
80723	PRIMARY	SCRUB	N34° 43' 24.87"	W112° 01' 51.64"	2.9	3,561.6		TRIM/REMOVE
80739	PRIMARY	SCRUB	N34° 43' 25.43"	W112° 01' 52.03"	2.9	3,561.8		TRIM/REMOVE
80747	PRIMARY	SCRUB	N34° 43' 25.15"	W112° 01' 52.17"	2.7	3,561.5		TRIM/REMOVE
80755	PRIMARY	SCRUB	N34° 43' 24.65"	W112° 01' 53.25"	5.9	3,564.7		TRIM/REMOVE
80763	PRIMARY	SCRUB	N34° 43' 24.67"	W112° 01' 53.63"	6.0	3,564.8		TRIM/REMOVE
80771	PRIMARY	SCRUB	N34° 43' 24.53"	W112° 01' 53.72"	7.5	3,566.3		TRIM/REMOVE
80779	PRIMARY	SCRUB	N34° 43' 24.49"	W112° 01' 53.96"	7.2	3,566.1		TRIM/REMOVE
80787	PRIMARY	SCRUB	N34° 43' 24.70"	W112° 01' 54.16"	3.6	3,562.6		TRIM/REMOVE
80795	PRIMARY	SCRUB	N34° 43' 24.83"	W112° 01' 54.59"	3.5	3,562.5		TRIM/REMOVE
80803	PRIMARY	SCRUB	N34° 43' 24.93"	W112° 01' 54.59"	5.8	3,564.8		TRIM/REMOVE
80811	PRIMARY	SCRUB	N34° 43' 24.92"	W112° 01' 54.79"	6.9	3,566.0		TRIM/REMOVE
80819	PRIMARY	SCRUB	N34° 43' 24.71"	W112° 01' 54.74"	4.4	3,563.4		TRIM/REMOVE
80827	PRIMARY	SCRUB	N34° 43' 24.80"	W112° 01' 54.79"	4.5	3,563.5		TRIM/REMOVE
80835	PRIMARY	SCRUB	N34° 43' 24.71"	W112° 01' 55.03"	8.2	3,567.2		TRIM/REMOVE
80843	PRIMARY	SCRUB	N34° 43' 24.69"	W112° 01' 55.22"	8.6	3,567.7		TRIM/REMOVE
80851	PRIMARY	SCRUB	N34° 43' 24.69"	W112° 01' 55.40"	10.1	3,569.2		TRIM/REMOVE
80859	PRIMARY	SCRUB	N34° 43' 24.76"	W112° 01' 55.43"	10.1	3,569.2		TRIM/REMOVE
80867	PRIMARY	SCRUB	N34° 43' 24.88"	W112° 01' 55.60"	9.9	3,569.0		TRIM/REMOVE
80875	PRIMARY	SCRUB	N34° 43' 24.75"	W112° 01' 55.63"	10.1	3,569.2		TRIM/REMOVE
80883	PRIMARY	SCRUB	N34° 43' 24.69"	W112° 01' 55.64"	8.8	3,567.9		TRIM/REMOVE
80891	PRIMARY	SCRUB	N34° 43' 24.65"	W112° 01' 55.78"	7.7	3,566.8		TRIM/REMOVE
80899	PRIMARY	SCRUB	N34° 43' 24.71"	W112° 01' 55.79"	7.6	3,566.7		TRIM/REMOVE
80907	PRIMARY	SCRUB	N34° 43' 24.40"	W112° 01' 55.58"	8.1	3,567.1		TRIM/REMOVE
80915	PRIMARY	SCRUB	N34° 43' 24.48"	W112° 01' 55.40"	7.9	3,566.9		TRIM/REMOVE
80923	PRIMARY	SCRUB	N34° 43' 24.58"	W112° 01' 55.32"	7.4	3,566.4		TRIM/REMOVE
80931	PRIMARY	SCRUB	N34° 43' 24.61"	W112° 01' 55.47"	10.7	3,569.8		TRIM/REMOVE
80939	PRIMARY	SCRUB	N34° 43' 24.49"	W112° 01' 55.14"	3.2	3,562.2		TRIM/REMOVE
80947	PRIMARY	SCRUB	N34° 43' 24.35"	W112° 01' 55.14"	7.3	3,566.2		TRIM/REMOVE
80955	PRIMARY	SCRUB	N34° 43' 24.59"	W112° 01' 55.15"	7.0	3,566.0		TRIM/REMOVE
80963	PRIMARY	SCRUB	N34° 43' 24.78"	W112° 01' 56.05"	11.4	3,570.6		TRIM/REMOVE
80971	PRIMARY	SCRUB	N34° 43' 24.72"	W112° 01' 56.12"	11.7	3,570.8		TRIM/REMOVE
80979	PRIMARY	SCRUB	N34° 43' 24.56"	W112° 01' 56.15"	12.6	3,571.7		TRIM/REMOVE
80987	PRIMARY	SCRUB	N34° 43' 24.71"	W112° 01' 56.24"	12.4	3,571.6		TRIM/REMOVE
80995	PRIMARY	SCRUB	N34° 43' 24.99"	W112° 01' 56.08"	11.2	3,570.5		TRIM/REMOVE
81003	PRIMARY	SCRUB	N34° 43' 25.08"	W112° 01' 56.18"	11.6	3,570.8		TRIM/REMOVE
81011	PRIMARY	SCRUB	N34° 43' 24.80"	W112° 01' 56.46"	12.5	3,571.7		TRIM/REMOVE
81019	PRIMARY	SCRUB	N34° 43' 24.88"	W112° 01' 56.55"	12.9	3,572.2		TRIM/REMOVE
81067	PRIMARY	SCRUB	N34° 43' 24.08"	W112° 01' 54.14"	7.0	3,565.7		TRIM/REMOVE
81083	PRIMARY	SCRUB	N34° 43' 24.15"	W112° 01' 52.90"	2.9	3,561.6		TRIM/REMOVE
81091	PRIMARY	SCRUB	N34° 43' 24.25"	W112° 01' 52.20"	2.8	3,561.4		TRIM/REMOVE
81099	PRIMARY	SCRUB	N34° 43' 24.36"	W112° 01' 52.34"	3.3	3,561.9		TRIM/REMOVE
81107	PRIMARY	SCRUB	N34° 43' 24.46"	W112° 01' 52.43"	4.4	3,563.0		TRIM/REMOVE
81115	PRIMARY	SCRUB	N34° 43' 24.57"	W112° 01' 53.57"	6.0	3,564.8		TRIM/REMOVE
81123	PRIMARY	SCRUB	N34° 43' 24.42"	W112° 01' 54.40"	5.9	3,564.7		TRIM/REMOVE
81131	PRIMARY	SCRUB	N34° 43' 24.54"	W112° 01' 54.64"	2.4	3,561.3		TRIM/REMOVE
81139	PRIMARY	SCRUB	N34° 43' 25.04"	W112° 01' 54.82"	4.9	3,564.0		TRIM/REMOVE
81147	PRIMARY	SCRUB	N34° 43' 25.14"	W112° 01' 54.91"	4.5	3,563.6		TRIM/REMOVE
81155	PRIMARY	SCRUB	N34° 43' 25.11"	W112° 01' 54.60"	4.2	3,563.3		TRIM/REMOVE
81163	PRIMARY	SCRUB	N34° 43' 25.66"	W112° 01' 53.81"	3.0	3,562.2		TRIM/REMOVE
81171	PRIMARY	SCRUB	N34° 43' 25.85"	W112° 01' 53.65"	2.5	3,561.7		TRIM/REMOVE

NOTES

1. SURVEY PERFORMED JULY 2020.
2. PART 77 SURFACES BASED ON 14 CFR PART 77.
3. PART 77 APPROACH SURFACES SHOWN ON SHEET 34 - INNER PORTION OF THE APPROACH SURFACE DRAWING; PART 77 APPROACH SURFACE OBSTRUCTIONS LISTED ON SHEETS 35-36.
4. TRAVERSEWAY ELEVATIONS INCLUDE THE FOLLOWING ADJUSTMENTS: PRIVATE ROADS: 10', PUBLIC ROADS: 15'. NO INTERSTATE HIGHWAYS OR RAILROADS ARE LOCATED IN THE IMMEDIATE VICINITY OF THE AIRPORT.
5. SURVEY IDENTIFIED A TOTAL OF 6,298 OBSTRUCTIONS TO PART 77 SURFACES, NOT INCLUDING PART 77 APPROACH SURFACES. OBSTRUCTIONS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT TOP 2% OF PENETRATIONS TO EACH PART 77 SURFACE.
6. OBSTRUCTION GROUPS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT APPROXIMATE LOCATION OF ALL OBSTRUCTIONS. COMPREHENSIVE LISTS OF OBSTRUCTIONS TO EACH PART 77 SURFACE, NOT INCLUDING PART 77 APPROACH SURFACES, ARE INCLUDED ON SHEETS 7-33.
7. OBSTRUCTION DESCRIPTIONS ARE GROUPED IN THE SUMMARY TABLE ON SHEET 6 - AIRPORT AIRSPACE DRAWING PER THE FOLLOWING: VEGETATION = BUSH, SCRUB, TREE; GROUND = GROUND; BUILDINGS/HANGARS = BUILDING, HANGAR; POLES/TOWERS = ANTENNA, BEACON, POLE, POLE_LIGHT, POLE_UTIL, POST, TRANSMISSION_PYLON, VERTICAL_POINT; NAVAIDS = PAPI, PAPI_CONTROL_BOX, REIL, SIGN, WINDSOCK; GROUND TRANSPORTATION = PARKING_LOT, ROAD - PRIVATE, ROAD - PUBLIC, STREET SIGN; UTILITY INFRASTRUCTURE = A/G PIPE, DAM, ELEC_BOX, MISC_UTIL, SOLAR_PANELS, TANK, TRANSFORMER; FENCE = FENCE, GATE; OTHER = CANOPY, DIRT_PILE, WALL
8. ALL HEIGHTS SHOWN IN FEET.
9. OBSTRUCTION HEIGHT ABOVE GROUND LEVEL PROVIDED WHERE AVAILABLE.
10. DEFINITIONS: PEN = PENETRATION; MSL = MEAN SEA LEVEL; AGL = ABOVE GROUND LEVEL; OL = OBSTRUCTION LIGHTING; DNH = DETERMINATION OF NO HAZARD

NO.	DATE	REVISIONS	BY	APPR.
5				
4				
3				
2				
1				

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COTTONWOOD MUNICIPAL AIRPORT
COTTONWOOD, AZ

AIRPORT AIRSPACE DRAWING - PART 77 SURFACE PENETRATION TABLES (5 OF 27)

JOB NO. 291447000	DRAWN KH	CHECKED CBW	SHEET 11 OF 40
DATE: DECEMBER 2022	DESIGNED JTC	APPROVED CBW	

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
PRIMARY SURFACE PENETRATION GROUP *(CONT.)*								
81179	PRIMARY	SCRUB	N34° 43' 25.52"	W112° 01' 53.44"	3.6	3,562.7		TRIM/REMOVE
81187	PRIMARY	SCRUB	N34° 43' 25.44"	W112° 01' 53.08"	1.8	3,560.8		TRIM/REMOVE
81195	PRIMARY	SCRUB	N34° 43' 25.12"	W112° 01' 53.18"	2.4	3,561.3		TRIM/REMOVE
81203	PRIMARY	SCRUB	N34° 43' 25.17"	W112° 01' 53.29"	3.5	3,562.4		TRIM/REMOVE
81211	PRIMARY	SCRUB	N34° 43' 25.15"	W112° 01' 54.11"	3.4	3,562.4		TRIM/REMOVE
81219	PRIMARY	SCRUB	N34° 43' 25.02"	W112° 01' 54.14"	3.3	3,562.3		TRIM/REMOVE
81227	PRIMARY	SCRUB	N34° 43' 25.13"	W112° 01' 53.69"	2.2	3,561.2		TRIM/REMOVE
81235	PRIMARY	SCRUB	N34° 43' 25.25"	W112° 01' 53.49"	1.9	3,560.9		TRIM/REMOVE
81243	PRIMARY	SCRUB	N34° 43' 25.45"	W112° 01' 53.23"	1.8	3,560.8		TRIM/REMOVE
81251	PRIMARY	SCRUB	N34° 43' 26.70"	W112° 01' 52.63"	0.6	3,560.0		TRIM/REMOVE
81259	PRIMARY	SCRUB	N34° 43' 26.49"	W112° 01' 52.87"	3.3	3,562.6		TRIM/REMOVE
81275	PRIMARY	SCRUB	N34° 43' 26.87"	W112° 01' 53.02"	2.6	3,562.0		TRIM/REMOVE
81283	PRIMARY	TREE	N34° 43' 26.04"	W112° 01' 52.30"	6.0	3,565.1		TRIM/REMOVE
81331	PRIMARY	TREE	N34° 43' 24.23"	W112° 01' 52.75"	5.6	3,564.2		TRIM/REMOVE
81339	PRIMARY	TREE	N34° 43' 25.26"	W112° 01' 53.04"	5.0	3,563.9		TRIM/REMOVE
81347	PRIMARY	TREE	N34° 43' 25.06"	W112° 01' 51.81"	4.5	3,563.3		TRIM/REMOVE
93658	PRIMARY	SCRUB	N34° 43' 25.17"	W112° 01' 56.81"	11.7	3,571.1		TRIM/REMOVE
93666	PRIMARY	SCRUB	N34° 43' 25.65"	W112° 01' 56.99"	13.5	3,573.1		TRIM/REMOVE
93674	PRIMARY	SCRUB	N34° 43' 25.74"	W112° 01' 57.13"	12.7	3,572.3		TRIM/REMOVE
93682	PRIMARY	SCRUB	N34° 43' 25.81"	W112° 01' 57.28"	11.6	3,571.2		TRIM/REMOVE
93690	PRIMARY	SCRUB	N34° 43' 25.98"	W112° 01' 57.48"	10.8	3,570.5		TRIM/REMOVE
93698	PRIMARY	SCRUB	N34° 43' 26.02"	W112° 01' 57.31"	11.2	3,570.8		TRIM/REMOVE
93706	PRIMARY	SCRUB	N34° 43' 25.97"	W112° 01' 57.17"	13.0	3,572.7		TRIM/REMOVE
93714	PRIMARY	SCRUB	N34° 43' 26.03"	W112° 01' 57.14"	12.4	3,572.1		TRIM/REMOVE
93722	PRIMARY	SCRUB	N34° 43' 26.12"	W112° 01' 57.16"	12.6	3,572.3		TRIM/REMOVE
93770	PRIMARY	SCRUB	N34° 43' 25.18"	W112° 01' 56.98"	13.5	3,572.9		TRIM/REMOVE
93778	PRIMARY	SCRUB	N34° 43' 25.63"	W112° 01' 57.21"	10.9	3,570.5		TRIM/REMOVE
93786	PRIMARY	TREE	N34° 43' 25.55"	W112° 01' 57.10"	14.0	3,573.5		TRIM/REMOVE
93802	PRIMARY	SCRUB	N34° 43' 25.50"	W112° 01' 56.31"	13.5	3,572.9		TRIM/REMOVE
93810	PRIMARY	SCRUB	N34° 43' 25.50"	W112° 01' 56.42"	14.0	3,573.4		TRIM/REMOVE
93818	PRIMARY	SCRUB	N34° 43' 25.38"	W112° 01' 56.47"	13.8	3,573.2		TRIM/REMOVE
93826	PRIMARY	SCRUB	N34° 43' 25.35"	W112° 01' 56.55"	12.8	3,572.2		TRIM/REMOVE
93834	PRIMARY	SCRUB	N34° 43' 25.23"	W112° 01' 56.57"	11.4	3,570.7		TRIM/REMOVE
93842	PRIMARY	SCRUB	N34° 43' 25.08"	W112° 01' 56.78"	11.6	3,570.9		TRIM/REMOVE
93850	PRIMARY	SCRUB	N34° 43' 24.72"	W112° 01' 56.66"	14.2	3,573.4		TRIM/REMOVE
93882	PRIMARY	SCRUB	N34° 43' 23.92"	W112° 01' 56.42"	11.8	3,570.7		TRIM/REMOVE
93890	PRIMARY	SCRUB	N34° 43' 24.09"	W112° 01' 55.98"	9.0	3,567.9		TRIM/REMOVE
93898	PRIMARY	SCRUB	N34° 43' 24.10"	W112° 01' 55.30"	9.3	3,568.2		TRIM/REMOVE
93906	PRIMARY	SCRUB	N34° 43' 26.58"	W112° 01' 56.48"	7.0	3,566.8		TRIM/REMOVE
93914	PRIMARY	SCRUB	N34° 43' 26.30"	W112° 01' 56.28"	6.5	3,566.1		TRIM/REMOVE
93922	PRIMARY	SCRUB	N34° 43' 25.49"	W112° 01' 55.37"	7.5	3,566.8		TRIM/REMOVE
93930	PRIMARY	SCRUB	N34° 43' 25.84"	W112° 01' 55.42"	6.1	3,565.5		TRIM/REMOVE
93938	PRIMARY	SCRUB	N34° 43' 25.72"	W112° 01' 55.82"	6.1	3,565.5		TRIM/REMOVE
93946	PRIMARY	GROUND	N34° 43' 25.28"	W112° 01' 55.73"	6.1	3,565.4		GRADE
93954	PRIMARY	SCRUB	N34° 43' 23.50"	W112° 01' 54.25"	8.7	3,567.3		TRIM/REMOVE
93962	PRIMARY	SCRUB	N34° 43' 23.11"	W112° 01' 55.74"	12.9	3,571.5		TRIM/REMOVE
209010	PRIMARY	SIGN	N34° 43' 52.48"	W112° 02' 05.70"	2.5	3,539.3	3.7	DNH
TRANSITIONAL SURFACE PENETRATION GROUP								
5055	TRANSITIONAL	TREE	N34° 44' 09.58"	W112° 02' 14.87"	7.8	3,527.9		TRIM/REMOVE
5251	TRANSITIONAL	TREE	N34° 44' 00.40"	W112° 02' 08.73"	27.0	3,567.5		TRIM/REMOVE
5259	TRANSITIONAL	TREE	N34° 43' 56.43"	W112° 02' 06.29"	23.5	3,570.5		TRIM/REMOVE
5267	TRANSITIONAL	BUILDING	N34° 44' 02.94"	W112° 02' 10.71"	15.6	3,547.2	23.0	PROVIDE OL
5275	TRANSITIONAL	BUILDING	N34° 44' 00.85"	W112° 02' 08.17"	0.3	3,549.5	28.5	PROVIDE OL
5291	TRANSITIONAL	BUILDING	N34° 44' 06.73"	W112° 02' 12.42"	0.3	3,532.7	21.5	PROVIDE OL
5315	TRANSITIONAL	TREE	N34° 44' 04.32"	W112° 02' 11.94"	30.2	3,555.3		TRIM/REMOVE
5323	TRANSITIONAL	TREE	N34° 44' 01.41"	W112° 02' 10.34"	30.9	3,558.6		TRIM/REMOVE
5363	TRANSITIONAL	TREE	N34° 44' 04.32"	W112° 02' 10.55"	9.9	3,550.6		TRIM/REMOVE
5379	TRANSITIONAL	TREE	N34° 43' 58.75"	W112° 02' 08.69"	30.0	3,562.2		TRIM/REMOVE
5387	TRANSITIONAL	TREE	N34° 43' 56.65"	W112° 02' 07.81"	19.6	3,550.5		TRIM/REMOVE
5395	TRANSITIONAL	TREE	N34° 43' 52.16"	W112° 02' 02.77"	32.5	3,597.1		TRIM/REMOVE
5403	TRANSITIONAL	BUILDING	N34° 43' 51.93"	W112° 02' 04.94"	14.6	3,552.7	19.5	PROVIDE OL
5411	TRANSITIONAL	TREE	N34° 43' 47.26"	W112° 02' 01.62"	0.5	3,551.6		TRIM/REMOVE
5435	TRANSITIONAL	BUILDING	N34° 43' 49.24"	W112° 02' 03.11"	6.5	3,551.1	22.1	PROVIDE OL
5443	TRANSITIONAL	TREE	N34° 43' 50.24"	W112° 02' 01.47"	11.5	3,580.6		TRIM/REMOVE
5451	TRANSITIONAL	BUILDING	N34° 43' 53.68"	W112° 02' 04.77"	1.5	3,551.2	18.5	PROVIDE OL
5475	TRANSITIONAL	BUILDING	N34° 43' 42.69"	W112° 01' 59.12"	1.5	3,556.6	25.4	PROVIDE OL
5507	TRANSITIONAL	HANGAR	N34° 43' 28.43"	W112° 01' 52.01"	19.5	3,578.4	23.6	PROVIDE OL
5721	TRANSITIONAL	POLE_LIGHT	N34° 43' 58.16"	W112° 02' 18.15"	23.2	3,581.5	42.6	REMOVE/LOWER/PROVIDE OL
5745	TRANSITIONAL	POLE_LIGHT	N34° 43' 59.83"	W112° 02' 19.07"	22.3	3,579.0	42.6	REMOVE/LOWER/PROVIDE OL
5753	TRANSITIONAL	POLE_LIGHT	N34° 44' 01.63"	W112° 02' 20.06"	21.1	3,576.0	42.8	REMOVE/LOWER/PROVIDE OL
5761	TRANSITIONAL	POLE_LIGHT	N34° 44' 03.43"	W112° 02' 21.05"	20.4	3,573.6	43.7	REMOVE/LOWER/PROVIDE OL
5769	TRANSITIONAL	POLE_LIGHT	N34° 44' 04.87"	W112° 02' 21.82"	18.7	3,570.4	42.2	REMOVE/LOWER/PROVIDE OL
5881	TRANSITIONAL	GROUND	N34° 44' 01.06"	W112° 02' 17.45"	1.3	3,532.4		PROVIDE OL
5913	TRANSITIONAL	HANGAR	N34° 44' 04.30"	W112° 02' 20.50"	1.4	3,542.9	14.4	PROVIDE OL
5961	TRANSITIONAL	TREE	N34° 43' 41.65"	W112° 02' 07.38"	20.6	3,575.8		TRIM/REMOVE
5969	TRANSITIONAL	TREE	N34° 43' 43.08"	W112° 02' 08.10"	21.7	3,574.8		TRIM/REMOVE
6025	TRANSITIONAL	WINDSOCK	N34° 43' 50.74"	W112° 02' 12.01"	31.4	3,574.3	21.7	PROVIDE OL
6033	TRANSITIONAL	ANTENNA	N34° 43' 48.36"	W112° 02' 11.12"	21.9	3,571.4	15.8	REMOVE/LOWER/PROVIDE OL
6057	TRANSITIONAL	TREE	N34° 43' 46.70"	W112° 02' 09.48"	11.6	3,554.7		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
TRANSITIONAL SURFACE PENETRATION GROUP *(CONT.)*								
6073	TRANSITIONAL	DIRT_PILE	N34° 43' 46.65"	W112° 02' 11.32"	6.5	3,570.4	16.4	REMOVE/LOWER/PROVIDE OL
6097	TRANSITIONAL	TREE	N34° 43' 44.61"	W112° 02' 07.86"	23.2	3,562.9		TRIM/REMOVE
6129	TRANSITIONAL	FENCE	N34° 43' 45.14"	W112° 02' 09.71"	0.8	3,557.3	7.4	REMOVE/LOWER/PROVIDE OL
6604	TRANSITIONAL	WINDSOCK	N34° 43' 35.31"	W112° 02' 03.34"	26.4	3,581.1	13.5	PROVIDE OL
6612	TRANSITIONAL	TREE	N34° 43' 30.53"	W112° 02' 00.51"	27.1	3,583.7		TRIM/REMOVE
6620	TRANSITIONAL	TREE	N34° 43' 32.84"	W112° 02' 03.03"	21.8	3,590.9		TRIM/REMOVE
6628	TRANSITIONAL	TREE	N34° 43' 38.68"	W112° 02' 04.69"	25.6	3,571.4		TRIM/REMOVE
6708	TRANSITIONAL	TREE	N34° 43' 28.02"	W112° 02' 00.33"	9.3	3,582.3		TRIM/REMOVE
6716	TRANSITIONAL	TREE	N34° 43' 29.68"	W112° 02' 02.28"	2.6	3,586.3		TRIM/REMOVE
6732	TRANSITIONAL	TREE	N34° 43' 33.81"	W112° 02' 04.31"	3.3	3,580.1		TRIM/REMOVE
6740	TRANSITIONAL	TREE	N34° 43' 35.56"	W112° 02' 05.31"	8.6	3,584.2		TRIM/REMOVE
6764	TRANSITIONAL	TREE	N34° 43' 37.15"	W112° 02' 04.73"	3.6	3,560.9		TRIM/REMOVE
6788	TRANSITIONAL	TREE	N34° 43' 32.22"	W112° 02' 01.72"	14.5	3,572.9		TRIM/REMOVE
7103	TRANSITIONAL	HANGAR	N34° 44' 00.64"	W112° 02' 20.09"	5.4	3,567.4	31.4	PROVIDE OL
7159	TRANSITIONAL	HANGAR	N34° 43' 54.91"	W112° 02' 17.02"	0.4	3,568.8	28.1	PROVIDE OL
9110	TRANSITIONAL	TREE	N34° 44' 11.71"	W112° 02' 16.03"	21.3	3,542.6		TRIM/REMOVE
9118	TRANSITIONAL	FLAGPOLE	N34° 44' 05.77"	W112° 02' 22.15"	11.1	3,560.2	31.8	REMOVE/LOWER/PROVIDE OL
9126	TRANSITIONAL	TREE	N34° 44' 06.04"	W112° 02' 22.65"	13.7	3,566.2		TRIM/REMOVE
9685	TRANSITIONAL	BEACON	N34° 44' 06.71"	W112° 02' 22.37"	52.2	3,597.3	68.7	REMOVE/LOWER/PROVIDE OL
10534	TRANSITIONAL	HANGAR	N34° 43' 26.75"	W112° 01' 51.15"	17.7	3,577.1	23.6	PROVIDE OL
10550	TRANSITIONAL	TREE	N34° 43' 29.08"	W112° 01' 51.47"	4.8	3,574.3		TRIM/REMOVE
12054	TRANSITIONAL	TREE	N34° 43' 26.10"	W112° 01' 58.76"	16.9	3,585.4		TRIM/REMOVE
12070	TRANSITIONAL	TREE	N34° 43' 23.56"	W112° 01' 58.97"	1.7	3,589.2		TRIM/REMOVE
12078	TRANSITIONAL	TREE	N34° 43' 22.96"	W112° 01' 58.00"	7.5	3,587.8		TRIM/REMOVE
12951	TRANSITIONAL	TREE	N34° 43' 16.90"	W112° 01' 54.09"	32.4	3,625.7		TRIM/REMOVE
12959	TRANSITIONAL	TREE	N34° 43' 18.45"	W112° 01' 54.32"	21.9	3,603.4		TRIM/REMOVE
12975	TRANSITIONAL	TREE	N34° 43' 19.95"	W112° 01' 55.09"	12.0	3,587.6		TRIM/REMOVE
12983	TRANSITIONAL	TREE	N34° 43' 20.64"	W112° 01' 56.49"	3.8	3,586.9		TRIM/REMOVE
13007	TRANSITIONAL	TREE	N34° 43' 16.46"	W112° 01' 56.99"	10.5	3,636.0		TRIM/REMOVE
14271	TRANSITIONAL	TREE	N34° 43' 27.99"	W112° 01' 50.61"	5.4	3,578.4		TRIM/REMOVE
47738	TRANSITIONAL	TREE	N34° 43' 23.25"	W112° 01' 56.78"	20.8	3,586.1		TRIM/REMOVE
48786	TRANSITIONAL	TREE	N34° 43' 28.92"	W112° 01' 59.44"	20.1	3,575.9		TRIM/REMOVE
48794	TRANSITIONAL	TREE	N34° 43' 40.28"	W112° 02' 05.54"	15.4	3,559.5		TRIM/REMOVE
55863	TRANSITIONAL	TREE	N34° 44' 05.57"	W112° 02' 21.67"	10.1	3,555.5		TRIM/REMOVE
60855	TRANSITIONAL	TREE	N34° 43' 27.93"	W112° 01' 58.73"	18.9	3,573.6		TRIM/REMOVE
60863	TRANSITIONAL	TREE	N34° 43' 28.06"	W112° 01' 58.74"	22.2	3,576.1		TRIM/REMOVE
60927	TRANSITIONAL	TREE	N34° 43' 33.04"	W112° 02' 01.47"	21.4	3,570.8		TRIM/REMOVE
60935	TRANSITIONAL	TREE	N34° 43' 33.65"	W112° 02' 01.80"	19.7	3,568.6		TRIM/REMOVE
60967	TRANSITIONAL	TREE	N34° 43' 35.37"	W112° 02' 02.73"	25.9	3,573.0		TRIM/REMOVE
60991	TRANSITIONAL	TREE	N34° 43' 36.85"	W112° 02' 03.56"	18.3	3,564.4		TRIM/REMOVE
60999	TRANSITIONAL	TREE	N34° 43' 36.42"	W112° 02' 03.43"	24.4	3,572.0		TRIM/REMOVE
61007	TRANSITIONAL	TREE	N34° 43' 36.55"	W112° 02' 03.56"	21.4	3,569.6		TRIM/REMOVE
61015	TRANSITIONAL	TREE	N34° 43' 36.80"	W112° 02' 03.76"	19.6	3,568.3		TRIM/REMOVE
61023	TRANSITIONAL	TREE	N34° 43' 36.79"	W112° 02' 03.92"	16.9	3,567.6		TRIM/REMOVE
61031	TRANSITIONAL	TREE	N34° 43' 36.91"	W112° 02' 03.89"	16.5	3,565.9		TRIM/REMOVE
61039	TRANSITIONAL	TREE	N34° 43' 36.38"	W112° 02' 03.84"	23.4	3,576.0		TRIM/REMOVE
61047	TRANSITIONAL	TREE	N34° 43' 36.36"	W112° 02' 03.94"	22.1	3,576.0		TRIM/REMOVE
61055	TRANSITIONAL	TREE	N34° 43' 36.17"	W112° 02' 03.53"	24.2	3,574.8		TRIM/REMOVE
61063	TRANSITIONAL	TREE	N34° 43' 36.04"	W112° 02' 04.17"	18.1	3,577.0		TRIM/REMOVE
61071	TRANSITIONAL	TREE	N34° 43' 35.59"	W112° 02' 04.01"	17.7	3,578.0		TRIM/REMOVE
61079	TRANSITIONAL	TREE	N34° 43' 36.53"	W112° 02' 04.14"	15.1	3,570.1		TRIM/REMOVE
61087	TRANSITIONAL	TREE	N34° 43' 36.85"	W112° 02' 04.28"	13.6	3,567.8		TRIM/REMOVE
61095	TRANSITIONAL	TREE	N34° 43' 36.97"	W112° 02' 04.31"	10.5	3,564.4		TRIM/REMOVE
61103	TRANSITIONAL	TREE	N34° 43' 36.90"	W112° 02' 04.17"	10.2	3,562.9		TRIM/REMOVE
61111	TRANSITIONAL	TREE	N34° 43' 37.03"	W112° 02' 04.46"	6.2	3,561.4		TRIM/REMOVE
61119	TRANSITIONAL	TREE	N34° 43' 36.93"	W112° 02' 04.40"	5.7	3,560.9		TRIM/REMOVE
61127	TRANSITIONAL	TREE	N34° 43' 37.15"	W112° 02' 04.32"	8.1	3,560.7		TRIM/REMOVE
61135	TRANSITIONAL	TREE	N34° 43' 37.09"	W112° 02' 04.06"	10.6	3,560.7		TRIM/REMOVE
61143	TRANSITIONAL	TREE	N34° 43' 37.00"	W112° 02' 04.03"	11.3	3,561.6		TRIM/REMOVE
61311	TRANSITIONAL	TREE	N34° 43' 39.82"	W112° 02' 05.29"	17.0	3,561.6		TRIM/REMOVE
61319	TRANSITIONAL	TREE	N34° 43' 39.77"	W112° 02' 05.58"	11.5	3,559.7		TRIM/REMOVE
61327	TRANSITIONAL	TREE	N34° 43' 39.45"	W112° 02' 05.22"	10.5	3,556.9		TRIM/REMOVE
61335	TRANSITIONAL	TREE	N34° 43' 39.05"	W112° 02' 04.99"	23.2	3,569.8		TRIM/REMOVE
61343	TRANSITIONAL	TREE	N34° 43' 38.86"	W112° 02' 05.05"	14.2	3,562.9		TRIM/REMOVE
61351	TRANSITIONAL	TREE	N34° 43' 39.15"	W112° 02' 05.51"	7.8	3,559.7		TRIM/REMOVE
61359	TRANSITIONAL	TREE	N34° 43' 38.60"	W112° 02' 05.59"	7.1	3,563.9		TRIM/REMOVE
61367	TRANSITIONAL	TREE	N34° 43' 38.73"	W112° 02' 05.76"	0.5	3,558.2		TRIM/REMOVE
61375	TRANSITIONAL	TREE	N34° 43' 38.87"	W112° 02' 05.80"	0.2	3,557.4		TRIM/REMOVE
61383	TRANSITIONAL	TREE	N34° 43' 39.45"	W112° 02' 05.86"	2.1	3,555.7		TRIM/REMOVE
61391	TRANSITIONAL	TREE	N34° 43' 39.70"	W112° 02' 06.23"	1.6	3,557.7		TRIM/REMOVE
61415	TRANSITIONAL	TREE	N34° 43' 40.04"	W112° 02' 06.30"	0.2	3,554.7		TRIM/REMOVE
61423	TRANSITIONAL	TREE	N34° 43' 40.18"	W112° 02' 06.26"	2.2	3,555.2		TRIM/REMOVE
61431	TRANSITIONAL	TREE	N34° 43' 40.19"	W112° 02' 06.12"	4.1	3,555.5		TRIM/REMOVE
61439	TRANSITIONAL	TREE	N34° 43' 40.19"	W112° 02' 05.70"	6.6	3,553.2		TRIM/REMOVE
61447	TRANSITIONAL	TREE	N34° 43' 40.38"	W112° 02' 05.60"	11.6	3,555.7		TRIM/REMOVE
61455	TRANSITIONAL	TREE	N34° 43' 40.47"	W112° 02' 05.66"	11.1	3,555.2		TRIM/REMOVE
61463	TRANSITIONAL	TREE	N34° 43' 40.41"	W112° 02' 05.82"	9.1	3,555.5		TRIM/REMOVE
61471	TRANSITIONAL	TREE	N34° 43' 40.54"	W112° 02' 05.75"	8.8	3,553.5		TRIM/REMOVE
61479	TRANSITIONAL	TREE	N34° 43' 40.61"	W112° 02' 05.90"	7.4	3,553.2		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
TRANSITIONAL SURFACE PENETRATION GROUP *(CONT.)*								
61487	TRANSITIONAL	TREE	N34° 43' 40.49"	W112° 02' 06.07"	6.1	3,554.7		TRIM/REMOVE
61495	TRANSITIONAL	TREE	N34° 43' 40.68"	W112° 02' 06.16"	4.5	3,552.7		TRIM/REMOVE
61503	TRANSITIONAL	TREE	N34° 43' 40.84"	W112° 02' 06.53"	11.3	3,562.6		TRIM/REMOVE
61511	TRANSITIONAL	TREE	N34° 43' 40.82"	W112° 02' 05.73"	12.8	3,555.2		TRIM/REMOVE
61687	TRANSITIONAL	TREE	N34° 43' 44.28"	W112° 02' 07.80"	16.4	3,557.7		TRIM/REMOVE
61695	TRANSITIONAL	TREE	N34° 43' 44.05"	W112° 02' 07.66"	17.6	3,558.9		TRIM/REMOVE
61703	TRANSITIONAL	TREE	N34° 43' 44.08"	W112° 02' 07.80"	16.5	3,559.2		TRIM/REMOVE
61711	TRANSITIONAL	TREE	N34° 43' 44.00"	W112° 02' 07.87"	14.3	3,558.4		TRIM/REMOVE
61719	TRANSITIONAL	TREE	N34° 43' 43.90"	W112° 02' 07.76"	12.4	3,556.0		TRIM/REMOVE
61727	TRANSITIONAL	TREE	N34° 43' 43.83"	W112° 02' 07.67"	12.9	3,556.0		TRIM/REMOVE
61735	TRANSITIONAL	TREE	N34° 43' 43.49"	W112° 02' 07.88"	13.9	3,561.6		TRIM/REMOVE
61743	TRANSITIONAL	TREE	N34° 43' 43.78"	W112° 02' 07.90"	15.7	3,561.6		TRIM/REMOVE
61751	TRANSITIONAL	TREE	N34° 43' 43.74"	W112° 02' 07.96"	8.5	3,555.5		TRIM/REMOVE
61759	TRANSITIONAL	TREE	N34° 43' 43.73"	W112° 02' 08.10"	10.6	3,559.2		TRIM/REMOVE
61767	TRANSITIONAL	TREE	N34° 43' 43.85"	W112° 02' 08.11"	12.9	3,560.7		TRIM/REMOVE
61775	TRANSITIONAL	TREE	N34° 43' 43.97"	W112° 02' 08.21"	6.2	3,554.2		TRIM/REMOVE
61783	TRANSITIONAL	TREE	N34° 43' 44.14"	W112° 02' 08.13"	10.0	3,556.0		TRIM/REMOVE
61791	TRANSITIONAL	TREE	N34° 43' 44.18"	W112° 02' 08.35"	7.5	3,555.7		TRIM/REMOVE
61799	TRANSITIONAL	TREE	N34° 43' 44.31"	W112° 02' 08.37"	8.0	3,555.5		TRIM/REMOVE
61807	TRANSITIONAL	TREE	N34° 43' 44.22"	W112° 02' 07.96"	12.4	3,556.0		TRIM/REMOVE
61815	TRANSITIONAL	TREE	N34° 43' 44.38"	W112° 02' 08.09"	10.6	3,554.5		TRIM/REMOVE
61823	TRANSITIONAL	TREE	N34° 43' 44.47"	W112° 02' 08.38"	9.1	3,555.5		TRIM/REMOVE
61831	TRANSITIONAL	TREE	N34° 43' 44.73"	W112° 02' 08.36"	9.1	3,553.5		TRIM/REMOVE
61839	TRANSITIONAL	TREE	N34° 43' 44.66"	W112° 02' 08.16"	11.0	3,553.7		TRIM/REMOVE
61847	TRANSITIONAL	TREE	N34° 43' 44.47"	W112° 02' 07.90"	16.6	3,557.7		TRIM/REMOVE
61855	TRANSITIONAL	TREE	N34° 43' 44.76"	W112° 02' 07.93"	15.8	3,555.2		TRIM/REMOVE
61863	TRANSITIONAL	TREE	N34° 43' 44.07"	W112° 02' 08.58"	8.2	3,559.7		TRIM/REMOVE
61871	TRANSITIONAL	TREE	N34° 43' 44.48"	W112° 02' 08.91"	4.9	3,557.2		TRIM/REMOVE
61879	TRANSITIONAL	TREE	N34° 43' 43.59"	W112° 02' 08.41"	3.0	3,556.0		TRIM/REMOVE
61887	TRANSITIONAL	TREE	N34° 43' 43.64"	W112° 02' 08.21"	9.6	3,559.9		TRIM/REMOVE
61895	TRANSITIONAL	TREE	N34° 43' 43.38"	W112° 02' 08.10"	10.0	3,560.9		TRIM/REMOVE
61903	TRANSITIONAL	TREE	N34° 43' 43.23"	W112° 02' 07.92"	13.9	3,563.9		TRIM/REMOVE
61911	TRANSITIONAL	TREE	N34° 43' 44.88"	W112° 02' 09.13"	4.4	3,556.3		TRIM/REMOVE
61919	TRANSITIONAL	TREE	N34° 43' 45.11"	W112° 02' 09.26"	7.3	3,559.0		TRIM/REMOVE
61927	TRANSITIONAL	TREE	N34° 43' 45.19"	W112° 02' 09.24"	7.4	3,558.4		TRIM/REMOVE
61935	TRANSITIONAL	TREE	N34° 43' 46.84"	W112° 02' 09.67"	13.2	3,557.4		TRIM/REMOVE
61943	TRANSITIONAL	TREE	N34° 43' 47.17"	W112° 02' 09.66"	16.4	3,558.2		TRIM/REMOVE
61951	TRANSITIONAL	TREE	N34° 43' 47.33"	W112° 02' 10.40"	11.8	3,560.7		TRIM/REMOVE
61959	TRANSITIONAL	TREE	N34° 43' 47.92"	W112° 02' 11.30"	11.7	3,566.3		TRIM/REMOVE
61967	TRANSITIONAL	TREE	N34° 43' 47.01"	W112° 02' 10.80"	9.4	3,564.9		TRIM/REMOVE
61975	TRANSITIONAL	TREE	N34° 43' 45.02"	W112° 02' 08.69"	7.2	3,553.2		TRIM/REMOVE
61983	TRANSITIONAL	TREE	N34° 43' 45.02"	W112° 02' 08.50"	8.9	3,552.9		TRIM/REMOVE
61991	TRANSITIONAL	TREE	N34° 43' 44.94"	W112° 02' 09.00"	4.3	3,554.3		TRIM/REMOVE
61999	TRANSITIONAL	TREE	N34° 43' 44.66"	W112° 02' 08.89"	3.1	3,553.8		TRIM/REMOVE
62007	TRANSITIONAL	TREE	N34° 43' 43.92"	W112° 02' 08.55"	3.2	3,555.5		TRIM/REMOVE
62015	TRANSITIONAL	TREE	N34° 43' 43.87"	W112° 02' 08.32"	3.3	3,553.2		TRIM/REMOVE
62023	TRANSITIONAL	TREE	N34° 43' 43.76"	W112° 02' 08.28"	4.1	3,554.5		TRIM/REMOVE
62031	TRANSITIONAL	TREE	N34° 43' 43.72"	W112° 02' 08.39"	3.1	3,555.0		TRIM/REMOVE
62039	TRANSITIONAL	TREE	N34° 43' 42.70"	W112° 02' 06.99"	13.0	3,556.3		TRIM/REMOVE
62047	TRANSITIONAL	TREE	N34° 43' 42.49"	W112° 02' 07.10"	10.0	3,556.1		TRIM/REMOVE
62055	TRANSITIONAL	TREE	N34° 43' 42.26"	W112° 02' 07.05"	8.4	3,555.6		TRIM/REMOVE
62063	TRANSITIONAL	TREE	N34° 43' 42.01"	W112° 02' 07.02"	8.7	3,557.3		TRIM/REMOVE
62071	TRANSITIONAL	TREE	N34° 43' 41.96"	W112° 02' 07.31"	5.3	3,557.6		TRIM/REMOVE
62079	TRANSITIONAL	TREE	N34° 43' 42.00"	W112° 02' 07.60"	17.0	3,572.2		TRIM/REMOVE
62087	TRANSITIONAL	TREE	N34° 43' 42.18"	W112° 02' 07.71"	10.6	3,565.7		TRIM/REMOVE
62095	TRANSITIONAL	TREE	N34° 43' 42.43"	W112° 02' 07.90"	5.1	3,560.5		TRIM/REMOVE
62103	TRANSITIONAL	TREE	N34° 43' 41.53"	W112° 02' 06.95"	5.6	3,556.8		TRIM/REMOVE
62111	TRANSITIONAL	TREE	N34° 43' 41.23"	W112° 02' 06.69"	12.1	3,562.5		TRIM/REMOVE
62127	TRANSITIONAL	TREE	N34° 43' 41.29"	W112° 02' 06.80"	5.4	3,556.6		TRIM/REMOVE
62135	TRANSITIONAL	TREE	N34° 43' 40.99"	W112° 02' 06.89"	5.4	3,559.8		TRIM/REMOVE
62143	TRANSITIONAL	TREE	N34° 43' 40.83"	W112° 02' 06.89"	5.0	3,560.5		TRIM/REMOVE
62151	TRANSITIONAL	TREE	N34° 43' 41.09"	W112° 02' 06.68"	4.1	3,555.3		TRIM/REMOVE
62159	TRANSITIONAL	TREE	N34° 43' 41.42"	W112° 02' 06.72"	7.2	3,556.6		TRIM/REMOVE
62175	TRANSITIONAL	TREE	N34° 43' 45.01"	W112° 02' 08.06"	13.9	3,553.0		TRIM/REMOVE
62183	TRANSITIONAL	TREE	N34° 43' 44.88"	W112° 02' 07.96"	14.4	3,553.2		TRIM/REMOVE
62191	TRANSITIONAL	TREE	N34° 43' 44.83"	W112° 02' 08.20"	10.1	3,552.0		TRIM/REMOVE
62263	TRANSITIONAL	TREE	N34° 43' 46.39"	W112° 02' 09.14"	14.6	3,556.1		TRIM/REMOVE
62271	TRANSITIONAL	TREE	N34° 43' 46.26"	W112° 02' 09.22"	12.2	3,555.5		TRIM/REMOVE
62279	TRANSITIONAL	TREE	N34° 43' 45.95"	W112° 02' 09.38"	9.3	3,556.4		TRIM/REMOVE
62287	TRANSITIONAL	TREE	N34° 43' 45.76"	W112° 02' 09.02"	9.9	3,554.5		TRIM/REMOVE
62295	TRANSITIONAL	TREE	N34° 43' 45.71"	W112° 02' 09.35"	6.9	3,555.5		TRIM/REMOVE
62303	TRANSITIONAL	TREE	N34° 43' 45.57"	W112° 02' 09.27"	6.3	3,555.0		TRIM/REMOVE
62311	TRANSITIONAL	TREE	N34° 43' 45.63"	W112° 02' 08.79"	10.9	3,553.7		TRIM/REMOVE
62327	TRANSITIONAL	TREE	N34° 43' 46.27"	W112° 02' 08.86"	15.5	3,554.7		TRIM/REMOVE
62335	TRANSITIONAL	TREE	N34° 43' 46.59"	W112° 02' 09.72"	10.7	3,557.2		TRIM/REMOVE
62343	TRANSITIONAL	TREE	N34° 43' 46.52"	W112° 02' 09.88"	9.4	3,558.2		TRIM/REMOVE
62351	TRANSITIONAL	TREE	N34° 43' 47.08"	W112° 02' 10.38"	9.1	3,559.4		TRIM/REMOVE
62359	TRANSITIONAL	TREE	N34° 43' 47.90"	W112° 02' 10.77"	14.1	3,563.1		TRIM/REMOVE
62367	TRANSITIONAL	TREE	N34° 43' 48.33"	W112° 02' 09.87"	23.5	3,559.4		TRIM/REMOVE

NOTES

1. SURVEY PERFORMED JULY 2020.
2. PART 77 SURFACES BASED ON 14 CFR PART 77.
3. PART 77 APPROACH SURFACES SHOWN ON SHEET 34 - INNER PORTION OF THE APPROACH SURFACE DRAWING; PART 77 APPROACH SURFACE OBSTRUCTIONS LISTED ON SHEETS 35-36.
4. TRAVERSEWAY ELEVATIONS INCLUDE THE FOLLOWING ADJUSTMENTS: PRIVATE ROADS: 10', PUBLIC ROADS: 15'. NO INTERSTATE HIGHWAYS OR RAILROADS ARE LOCATED IN THE IMMEDIATE VICINITY OF THE AIRPORT.
5. SURVEY IDENTIFIED A TOTAL OF 6,298 OBSTRUCTIONS TO PART 77 SURFACES, NOT INCLUDING PART 77 APPROACH SURFACES. OBSTRUCTIONS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT TOP 2% OF PENETRATIONS TO EACH PART 77 SURFACE.
6. OBSTRUCTION GROUPS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT APPROXIMATE LOCATION OF ALL OBSTRUCTIONS. COMPREHENSIVE LISTS OF OBSTRUCTIONS TO EACH PART 77 SURFACE, NOT INCLUDING PART 77 APPROACH SURFACES, ARE INCLUDED ON SHEETS 7-33.
7. OBSTRUCTION DESCRIPTIONS ARE GROUPED IN THE SUMMARY TABLE ON SHEET 6 - AIRPORT AIRSPACE DRAWING PER THE FOLLOWING: VEGETATION = BUSH, SCRUB, TREE; GROUND = GROUND; BUILDINGS/HANGARS = BUILDING, HANGAR; POLES/TOWERS = ANTENNA, BEACON, POLE, POLE_LIGHT, POLE_UTIL, POST, TRANSMISSION_PYLON, VERTICAL_POINT; NAVAIDS = PAPI, PAPI_CONTROL_BOX, REIL, SIGN, WINDSOCK; GROUND TRANSPORTATION = PARKING_LOT, ROAD - PRIVATE, ROAD - PUBLIC, STREET SIGN; UTILITY INFRASTRUCTURE = A/G PIPE, DAM, ELEC_BOX, MISC_UTIL, SOLAR_PANELS, TANK, TRANSFORMER; FENCE = FENCE, GATE; OTHER = CANOPY, DIRT_PILE, WALL
8. ALL HEIGHTS SHOWN IN FEET.
9. OBSTRUCTION HEIGHT ABOVE GROUND LEVEL PROVIDED WHERE AVAILABLE.
10. DEFINITIONS: PEN = PENETRATION; MSL = MEAN SEA LEVEL; AGL = ABOVE GROUND LEVEL; OL = OBSTRUCTION LIGHTING; DNH = DETERMINATION OF NO HAZARD

NO.	DATE	REVISIONS	BY	APPR.
5				
4				
3				
2				
1				

Kimley»Horn

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COTTONWOOD MUNICIPAL AIRPORT

COTTONWOOD, AZ

AIRPORT AIRSPACE DRAWING - PART 77 SURFACE PENETRATION TABLES (6 OF 27)

JOB NO. 291447000	DRAWN KH	CHECKED CBW	SHEET 12 OF 40
DATE: DECEMBER 2022	DESIGNED JTC	APPROVED CBW	

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
TRANSITIONAL SURFACE PENETRATION GROUP *(CONT.)*								
62399	TRANSITIONAL	TREE	N34° 43' 47.13"	W112° 02' 09.41"	18.4	3,557.7		TRIM/REMOVE
62407	TRANSITIONAL	TREE	N34° 43' 49.33"	W112° 02' 11.31"	16.5	3,561.4		TRIM/REMOVE
62415	TRANSITIONAL	TREE	N34° 43' 49.85"	W112° 02' 11.23"	18.1	3,558.6		TRIM/REMOVE
62423	TRANSITIONAL	TREE	N34° 43' 49.82"	W112° 02' 10.82"	22.1	3,558.3		TRIM/REMOVE
62479	TRANSITIONAL	TREE	N34° 43' 51.55"	W112° 02' 12.14"	22.1	3,560.7		TRIM/REMOVE
62487	TRANSITIONAL	TREE	N34° 43' 50.87"	W112° 02' 13.13"	10.4	3,564.6		TRIM/REMOVE
62495	TRANSITIONAL	TREE	N34° 43' 50.62"	W112° 02' 13.00"	10.5	3,565.0		TRIM/REMOVE
62503	TRANSITIONAL	TREE	N34° 43' 50.27"	W112° 02' 12.73"	13.8	3,567.8		TRIM/REMOVE
62511	TRANSITIONAL	TREE	N34° 43' 50.21"	W112° 02' 12.59"	16.2	3,569.1		TRIM/REMOVE
62519	TRANSITIONAL	TREE	N34° 43' 50.10"	W112° 02' 12.20"	14.6	3,564.0		TRIM/REMOVE
62527	TRANSITIONAL	TREE	N34° 43' 50.09"	W112° 02' 12.51"	9.2	3,562.0		TRIM/REMOVE
62535	TRANSITIONAL	TREE	N34° 43' 49.77"	W112° 02' 12.29"	14.0	3,566.7		TRIM/REMOVE
62543	TRANSITIONAL	TREE	N34° 43' 49.62"	W112° 02' 12.31"	13.1	3,567.0		TRIM/REMOVE
62551	TRANSITIONAL	TREE	N34° 43' 49.63"	W112° 02' 12.21"	13.5	3,566.2		TRIM/REMOVE
62559	TRANSITIONAL	TREE	N34° 43' 49.36"	W112° 02' 12.30"	12.3	3,568.0		TRIM/REMOVE
62567	TRANSITIONAL	TREE	N34° 43' 49.41"	W112° 02' 12.15"	10.4	3,564.0		TRIM/REMOVE
62575	TRANSITIONAL	TREE	N34° 43' 49.16"	W112° 02' 12.06"	10.3	3,564.7		TRIM/REMOVE
62583	TRANSITIONAL	TREE	N34° 43' 48.85"	W112° 02' 11.92"	10.7	3,565.7		TRIM/REMOVE
62591	TRANSITIONAL	TREE	N34° 43' 48.91"	W112° 02' 11.96"	9.9	3,565.0		TRIM/REMOVE
62599	TRANSITIONAL	TREE	N34° 43' 48.77"	W112° 02' 12.21"	7.7	3,566.5		TRIM/REMOVE
62607	TRANSITIONAL	TREE	N34° 43' 48.52"	W112° 02' 11.97"	10.6	3,568.5		TRIM/REMOVE
62615	TRANSITIONAL	TREE	N34° 43' 49.90"	W112° 02' 12.65"	8.6	3,564.2		TRIM/REMOVE
62623	TRANSITIONAL	TREE	N34° 43' 48.42"	W112° 02' 11.57"	11.6	3,565.7		TRIM/REMOVE
62631	TRANSITIONAL	TREE	N34° 43' 48.28"	W112° 02' 11.62"	10.0	3,565.7		TRIM/REMOVE
62639	TRANSITIONAL	TREE	N34° 43' 47.88"	W112° 02' 10.06"	18.1	3,559.3		TRIM/REMOVE
63857	TRANSITIONAL	ROAD - PUBLIC	N34° 44' 08.70"	W112° 02' 21.97"	7.5	3,550.6	15.0	DNH
63889	TRANSITIONAL	PARKING_LOT	N34° 44' 00.52"	W112° 02' 09.33"	2.8	3,537.1	0.0	PROVIDE OL
63897	TRANSITIONAL	PARKING_LOT	N34° 43' 59.83"	W112° 02' 08.98"	3.9	3,538.5	0.0	PROVIDE OL
63921	TRANSITIONAL	PARKING_LOT	N34° 43' 58.12"	W112° 02' 08.35"	8.5	3,541.1	0.0	PROVIDE OL
63937	TRANSITIONAL	PARKING_LOT	N34° 43' 57.01"	W112° 02' 07.02"	0.2	3,542.0	0.0	PROVIDE OL
63969	TRANSITIONAL	CANOPY	N34° 43' 54.26"	W112° 02' 06.17"	5.8	3,542.5	8.3	REMOVE/LOWER/PROVIDE OL
63993	TRANSITIONAL	CANOPY	N34° 43' 55.22"	W112° 02' 06.67"	5.0	3,541.2	7.8	REMOVE/LOWER/PROVIDE OL
64241	TRANSITIONAL	PARKING_LOT	N34° 43' 54.76"	W112° 02' 06.49"	7.9	3,543.6	0.0	PROVIDE OL
64249	TRANSITIONAL	PARKING_LOT	N34° 43' 53.88"	W112° 02' 05.60"	2.1	3,543.2	0.0	PROVIDE OL
64257	TRANSITIONAL	PARKING_LOT	N34° 43' 52.25"	W112° 02' 05.00"	4.1	3,543.2	0.0	PROVIDE OL
64353	TRANSITIONAL	HANGAR	N34° 43' 31.13"	W112° 01' 53.00"	7.7	3,570.5	19.4	PROVIDE OL
64401	TRANSITIONAL	FENCE	N34° 43' 22.14"	W112° 01' 57.05"	3.0	3,578.8	7.2	REMOVE/LOWER/PROVIDE OL
64409	TRANSITIONAL	FENCE	N34° 43' 23.22"	W112° 01' 57.64"	3.2	3,578.0	7.5	REMOVE/LOWER/PROVIDE OL
64417	TRANSITIONAL	FENCE	N34° 43' 24.34"	W112° 01' 58.27"	1.5	3,576.2	4.7	REMOVE/LOWER/PROVIDE OL
64425	TRANSITIONAL	FENCE	N34° 43' 25.41"	W112° 01' 58.85"	4.7	3,579.0	5.8	REMOVE/LOWER/PROVIDE OL
64433	TRANSITIONAL	FENCE	N34° 43' 26.47"	W112° 01' 59.44"	3.0	3,577.0	5.7	REMOVE/LOWER/PROVIDE OL
64441	TRANSITIONAL	FENCE	N34° 43' 27.53"	W112° 02' 00.02"	2.1	3,575.1	5.2	REMOVE/LOWER/PROVIDE OL
64449	TRANSITIONAL	FENCE	N34° 43' 28.51"	W112° 02' 00.56"	2.8	3,574.9	5.6	REMOVE/LOWER/PROVIDE OL
64457	TRANSITIONAL	FENCE	N34° 43' 29.40"	W112° 02' 01.05"	3.9	3,575.1	5.8	REMOVE/LOWER/PROVIDE OL
64465	TRANSITIONAL	FENCE	N34° 43' 30.38"	W112° 02' 01.59"	4.2	3,574.5	6.8	REMOVE/LOWER/PROVIDE OL
64473	TRANSITIONAL	FENCE	N34° 43' 31.35"	W112° 02' 02.13"	3.7	3,573.2	6.8	REMOVE/LOWER/PROVIDE OL
64481	TRANSITIONAL	FENCE	N34° 43' 32.59"	W112° 02' 02.81"	5.6	3,573.9	7.3	REMOVE/LOWER/PROVIDE OL
64489	TRANSITIONAL	FENCE	N34° 43' 33.57"	W112° 02' 03.35"	7.1	3,574.5	7.3	REMOVE/LOWER/PROVIDE OL
64497	TRANSITIONAL	FENCE	N34° 43' 34.73"	W112° 02' 03.98"	9.5	3,575.8	6.4	REMOVE/LOWER/PROVIDE OL
64505	TRANSITIONAL	FENCE	N34° 43' 35.71"	W112° 02' 04.52"	9.7	3,575.0	6.2	REMOVE/LOWER/PROVIDE OL
64561	TRANSITIONAL	FENCE	N34° 43' 46.20"	W112° 02' 10.28"	1.5	3,556.9	5.4	REMOVE/LOWER/PROVIDE OL
64569	TRANSITIONAL	FENCE	N34° 43' 47.24"	W112° 02' 10.88"	7.4	3,562.3	7.4	REMOVE/LOWER/PROVIDE OL
64577	TRANSITIONAL	FENCE	N34° 43' 48.26"	W112° 02' 11.44"	10.2	3,564.0	6.7	REMOVE/LOWER/PROVIDE OL
64585	TRANSITIONAL	FENCE	N34° 43' 49.13"	W112° 02' 11.92"	7.8	3,560.9	6.1	REMOVE/LOWER/PROVIDE OL
64593	TRANSITIONAL	FENCE	N34° 43' 50.34"	W112° 02' 12.59"	8.4	3,560.3	6.2	REMOVE/LOWER/PROVIDE OL
64601	TRANSITIONAL	FENCE	N34° 43' 51.22"	W112° 02' 13.07"	8.8	3,559.9	6.3	REMOVE/LOWER/PROVIDE OL
64609	TRANSITIONAL	POST	N34° 43' 51.66"	W112° 02' 11.85"	20.3	3,555.1	5.1	REMOVE/LOWER/PROVIDE OL
64745	TRANSITIONAL	BUILDING	N34° 44' 06.52"	W112° 02' 20.23"	14.1	3,538.0	12.5	PROVIDE OL
64753	TRANSITIONAL	FENCE	N34° 44' 06.61"	W112° 02' 20.41"	7.4	3,532.5	7.1	REMOVE/LOWER/PROVIDE OL
64777	TRANSITIONAL	POLE	N34° 44' 08.54"	W112° 02' 14.26"	3.2	3,524.6	14.4	REMOVE/LOWER/PROVIDE OL
64825	TRANSITIONAL	GATE	N34° 44' 04.65"	W112° 02' 12.17"	3.3	3,527.6	7.4	REMOVE/LOWER/PROVIDE OL
64833	TRANSITIONAL	GATE	N34° 44' 01.62"	W112° 02' 10.38"	5.4	3,533.8	7.7	REMOVE/LOWER/PROVIDE OL
64841	TRANSITIONAL	GATE	N34° 43' 58.32"	W112° 02' 08.18"	1.8	3,537.4	6.4	REMOVE/LOWER/PROVIDE OL
64849	TRANSITIONAL	GATE	N34° 43' 57.01"	W112° 02' 07.91"	6.7	3,538.4	6.2	REMOVE/LOWER/PROVIDE OL
64857	TRANSITIONAL	GATE	N34° 43' 53.79"	W112° 02' 06.00"	3.4	3,539.5	6.1	REMOVE/LOWER/PROVIDE OL
64865	TRANSITIONAL	GATE	N34° 43' 50.92"	W112° 02' 04.42"	1.5	3,540.1	5.9	REMOVE/LOWER/PROVIDE OL
64873	TRANSITIONAL	GATE	N34° 43' 39.99"	W112° 01' 58.20"	0.8	3,551.6	6.3	REMOVE/LOWER/PROVIDE OL
65001	TRANSITIONAL	TREE	N34° 43' 43.59"	W112° 02' 07.76"	11.0	3,556.7		TRIM/REMOVE
65017	TRANSITIONAL	TREE	N34° 44' 09.08"	W112° 02' 14.62"	3.7	3,524.0		TRIM/REMOVE
65025	TRANSITIONAL	TREE	N34° 44' 09.43"	W112° 02' 14.83"	3.6	3,523.4		TRIM/REMOVE
65033	TRANSITIONAL	TREE	N34° 44' 10.00"	W112° 02' 15.02"	2.3	3,523.0		TRIM/REMOVE
65041	TRANSITIONAL	TREE	N34° 44' 10.16"	W112° 02' 15.21"	0.5	3,519.9		TRIM/REMOVE
65081	TRANSITIONAL	TREE	N34° 44' 08.18"	W112° 02' 14.07"	11.4	3,533.0		TRIM/REMOVE
65089	TRANSITIONAL	TREE	N34° 44' 07.97"	W112° 02' 14.05"	12.5	3,533.3		TRIM/REMOVE
65097	TRANSITIONAL	TREE	N34° 44' 07.79"	W112° 02' 13.80"	6.2	3,528.8		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
TRANSITIONAL SURFACE PENETRATION GROUP *(CONT.)*								
65105	TRANSITIONAL	POLE	N34° 44' 07.50"	W112° 02' 13.68"	2.1	3,524.5	13.9	REMOVE/LOWER/PROVIDE OL
65137	TRANSITIONAL	TREE	N34° 44' 07.41"	W112° 02' 13.72"	1.0	3,522.5		TRIM/REMOVE
65145	TRANSITIONAL	TREE	N34° 44' 06.47"	W112° 02' 13.12"	3.9	3,527.2		TRIM/REMOVE
65153	TRANSITIONAL	TREE	N34° 44' 06.62"	W112° 02' 12.79"	1.1	3,528.8		TRIM/REMOVE
65185	TRANSITIONAL	TREE	N34° 44' 05.96"	W112° 02' 12.85"	5.0	3,528.6		TRIM/REMOVE
65193	TRANSITIONAL	TREE	N34° 44' 05.69"	W112° 02' 12.70"	0.6	3,524.5		TRIM/REMOVE
65201	TRANSITIONAL	TREE	N34° 44' 05.52"	W112° 02' 12.60"	7.2	3,531.3		TRIM/REMOVE
65217	TRANSITIONAL	TREE	N34° 44' 05.18"	W112° 02' 12.36"	8.0	3,533.0		TRIM/REMOVE
65241	TRANSITIONAL	BUSH	N34° 44' 05.02"	W112° 02' 12.41"	0.8	3,524.4		TRIM/REMOVE
65585	TRANSITIONAL	TREE	N34° 44' 04.05"	W112° 02' 11.85"	18.9	3,543.6		TRIM/REMOVE
65593	TRANSITIONAL	TREE	N34° 44' 04.00"	W112° 02' 11.63"	18.3	3,545.3		TRIM/REMOVE
65601	TRANSITIONAL	TREE	N34° 44' 03.72"	W112° 02' 11.66"	11.2	3,536.3		TRIM/REMOVE
65617	TRANSITIONAL	TREE	N34° 44' 01.93"	W112° 02' 10.68"	27.9	3,554.6		TRIM/REMOVE
65641	TRANSITIONAL	POLE_LIGHT	N34° 44' 01.79"	W112° 02' 10.51"	21.1	3,548.9	22.8	REMOVE/LOWER/PROVIDE OL
65649	TRANSITIONAL	FENCE	N34° 44' 02.74"	W112° 02' 10.99"	4.0	3,531.4	7.1	REMOVE/LOWER/PROVIDE OL
65657	TRANSITIONAL	FENCE	N34° 44' 03.63"	W112° 02' 11.48"	5.9	3,532.6	8.4	REMOVE/LOWER/PROVIDE OL
65681	TRANSITIONAL	POLE	N34° 44' 09.11"	W112° 02' 14.56"	2.2	3,523.4	13.2	REMOVE/LOWER/PROVIDE OL
65689	TRANSITIONAL	POLE	N34° 44' 09.61"	W112° 02' 14.83"	2.1	3,522.9	13.2	REMOVE/LOWER/PROVIDE OL
65697	TRANSITIONAL	POLE	N34° 44' 08.06"	W112° 02' 13.89"	0.6	3,523.6	13.4	REMOVE/LOWER/PROVIDE OL
65705	TRANSITIONAL	POLE_LIGHT	N34° 44' 04.82"	W112° 02' 11.44"	5.7	3,539.1	22.6	REMOVE/LOWER/PROVIDE OL
65721	TRANSITIONAL	POLE_LIGHT	N34° 44' 02.17"	W112° 02' 09.46"	2.1	3,543.7	21.9	REMOVE/LOWER/PROVIDE OL
65729	TRANSITIONAL	STREET_SIGN	N34° 44' 00.46"	W112° 02' 09.84"	7.1	3,535.4	8.3	REMOVE/LOWER/PROVIDE OL
65737	TRANSITIONAL	STREET_SIGN	N34° 43' 59.96"	W112° 02' 09.67"	10.4	3,537.9	8.9	REMOVE/LOWER/PROVIDE OL
65745	TRANSITIONAL	ELEC_BOX	N34° 44' 00.03"	W112° 02' 09.66"	3.5	3,531.6	2.6	REMOVE/LOWER/PROVIDE OL
65753	TRANSITIONAL	ELEC_BOX	N34° 44' 00.07"	W112° 02' 09.68"	3.6	3,531.6	2.7	REMOVE/LOWER/PROVIDE OL
65761	TRANSITIONAL	BUILDING	N34° 43' 59.21"	W112° 02' 08.92"	14.8	3,546.8	17.8	PROVIDE OL
65777	TRANSITIONAL	BUILDING	N34° 44' 00.65"	W112° 02' 08.88"	0.2	3,540.3	13.7	PROVIDE OL
65785	TRANSITIONAL	BUILDING	N34° 43' 57.76"	W112° 02' 08.14"	15.0	3,548.0	17.1	PROVIDE OL
65793	TRANSITIONAL	TANK	N34° 43' 57.44"	W112° 02' 07.51"	7.7	3,546.2	15.0	PROVIDE OL
65801	TRANSITIONAL	TANK	N34° 43' 57.48"	W112° 02' 07.42"	6.7	3,546.5	15.3	PROVIDE OL
65809	TRANSITIONAL	TANK	N34° 43' 57.52"	W112° 02' 07.30"	5.0	3,546.3	15.2	PROVIDE OL
65817	TRANSITIONAL	TANK	N34° 43' 56.22"	W112° 02' 07.15"	10.9	3,547.0	14.7	PROVIDE OL
65825	TRANSITIONAL	BUILDING	N34° 43' 56.17"	W112° 02' 07.34"	8.2	3,541.8	9.0	PROVIDE OL
65833	TRANSITIONAL	FENCE	N34° 43' 56.32"	W112° 02' 07.54"	6.2	3,538.4	5.6	REMOVE/LOWER/PROVIDE OL
65841	TRANSITIONAL	FENCE	N34° 43' 57.29"	W112° 02' 08.07"	6.1	3,537.5	5.4	REMOVE/LOWER/PROVIDE OL
65857	TRANSITIONAL	BUILDING	N34° 43' 54.84"	W112° 02' 05.99"	9.6	3,551.5	18.2	PROVIDE OL
65865	TRANSITIONAL	BUILDING	N34° 43' 50.68"	W112° 02' 04.17"	11.4	3,551.6	18.1	PROVIDE OL
65881	TRANSITIONAL	BUILDING	N34° 43' 40.95"	W112° 01' 59.07"	12.9	3,558.7	13.0	PROVIDE OL
65889	TRANSITIONAL	HANGAR	N34° 43' 39.41"	W112° 01' 57.98"	21.1	3,571.2	25.6	PROVIDE OL
65948	TRANSITIONAL	HANGAR	N34° 43' 40.65"	W112° 01' 57.82"	10.6	3,569.6	24.3	PROVIDE OL
65956	TRANSITIONAL	HANGAR	N34° 43' 38.41"	W112° 01' 57.16"	18.2	3,572.4	27.2	PROVIDE OL
66808	TRANSITIONAL	TREE	N34° 43' 29.50"	W112° 01' 59.57"	22.0	3,575.0		TRIM/REMOVE
66816	TRANSITIONAL	TREE	N34° 43' 29.38"	W112° 01' 59.80"	17.8	3,574.5		TRIM/REMOVE
66824	TRANSITIONAL	TREE	N34° 43' 28.83"	W112° 01' 59.24"	20.2	3,574.3		TRIM/REMOVE
66832	TRANSITIONAL	TREE	N34° 43' 28.55"	W112° 01' 59.13"	18.9	3,573.8		TRIM/REMOVE
66896	TRANSITIONAL	TREE	N34° 43' 33.33"	W112° 02' 01.64"	20.6	3,569.9		TRIM/REMOVE
66904	TRANSITIONAL	TREE	N34° 43' 33.90"	W112° 02' 02.15"	18.0	3,569.2		TRIM/REMOVE
66912	TRANSITIONAL	TREE	N34° 43' 34.22"	W112° 02' 02.49"	22.3	3,575.0		TRIM/REMOVE
66952	TRANSITIONAL	TREE	N34° 44' 00.29"	W112° 02' 09.78"	18.4	3,546.4		TRIM/REMOVE
66968	TRANSITIONAL	TREE	N34° 43' 59.61"	W112° 02' 09.42"	25.1	3,553.6		TRIM/REMOVE
66976	TRANSITIONAL	TREE	N34° 43' 59.33"	W112° 02' 09.31"	15.4	3,543.6		TRIM/REMOVE
66992	TRANSITIONAL	TREE	N34° 43' 58.39"	W112° 02' 08.70"	25.5	3,555.6		TRIM/REMOVE
67008	TRANSITIONAL	TREE	N34° 43' 57.53"	W112° 02' 08.30"	20.5	3,550.5		TRIM/REMOVE
67016	TRANSITIONAL	TREE	N34° 43' 57.35"	W112° 02' 08.13"	11.4	3,542.3		TRIM/REMOVE
67032	TRANSITIONAL	TREE	N34° 43' 56.09"	W112° 02' 07.40"	16.1	3,548.7		TRIM/REMOVE
67040	TRANSITIONAL	TREE	N34° 43' 56.13"	W112° 02' 07.10"	14.5	3,550.6		TRIM/REMOVE
67048	TRANSITIONAL	TREE	N34° 43' 56.07"	W112° 02' 07.22"	8.0	3,542.5		TRIM/REMOVE
67056	TRANSITIONAL	TREE	N34° 43' 56.19"	W112° 02' 06.88"	12.1	3,551.0		TRIM/REMOVE
67064	TRANSITIONAL	TREE	N34° 43' 56.27"	W112° 02' 06.75"	8.2	3,549.1		TRIM/REMOVE
67072	TRANSITIONAL	TREE	N34° 43' 56.46"	W112° 02' 06.06"	11.8	3,561.5		TRIM/REMOVE
67096	TRANSITIONAL	TREE	N34° 43' 55.28"	W112° 02' 05.04"	14.6	3,569.7		TRIM/REMOVE
67112	TRANSITIONAL	TREE	N34° 43' 55.78"	W112° 02' 06.50"	14.7	3,555.7		TRIM/REMOVE
67120	TRANSITIONAL	TREE	N34° 43' 55.62"	W112° 02' 06.92"	11.3	3,546.7		TRIM/REMOVE
67144	TRANSITIONAL	TREE	N34° 43' 54.46"	W112° 02' 06.62"	22.8	3,555.3		TRIM/REMOVE
67160	TRANSITIONAL	TREE	N34° 43' 53.70"	W112° 02' 06.00"	10.7	3,546.3		TRIM/REMOVE
67168	TRANSITIONAL	TREE	N34° 43' 53.33"	W112° 02' 05.85"	16.5	3,551.7		TRIM/REMOVE
67176	TRANSITIONAL	TREE	N34° 43' 53.21"	W112° 02' 05.91"	24.6	3,558.6		TRIM/REMOVE
67184	TRANSITIONAL	TREE	N34° 43' 53.19"	W112° 02' 05.72"	18.9	3,555.0		TRIM/REMOVE
67192	TRANSITIONAL	TREE	N34° 43' 52.85"	W112° 02' 05.56"	26.6	3,562.6		TRIM/REMOVE
67208	TRANSITIONAL	TREE	N34° 43' 51.66"	W112° 02' 04.94"	26.6	3,563.3		TRIM/REMOVE
67216	TRANSITIONAL	TREE	N34° 43' 51.51"	W112° 02' 04.81"	13.0	3,550.4		TRIM/REMOVE
67224	TRANSITIONAL	TREE	N34° 43' 51.39"	W112° 02' 04.72"	15.1	3,552.9		TRIM/REMOVE
67232	TRANSITIONAL	TREE	N34° 43' 51.20"	W112° 02' 04.63"	10.0	3,547.7		TRIM/REMOVE
67240	TRANSITIONAL	TREE	N34° 43' 51.11"	W112° 02' 04.58"	10.3	3,548.2		TRIM/REMOVE
67248	TRANSITIONAL	TREE	N34° 43' 51.06"	W112° 02' 04.77"	14.6	3,549.9		TRIM/REMOVE
67256	TRANSITIONAL	TREE	N34° 43' 50.54"	W112° 02' 04.33"	26.6	3,564.1		TRIM/REMOVE
67264	TRANSITIONAL	TREE	N34° 43' 49.97"	W112° 02' 04.17"	8.6	3,544.8		TRIM/REMOVE
67352	TRANSITIONAL	TREE	N34° 43' 41.13"	W112° 01' 59.22"	5.9	3,551.0		TRIM/REMOVE
67360	TRANSITIONAL	TREE	N34° 43' 41.12"	W112° 01' 58.85"	7.1	3,556.4		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
TRANSITIONAL SURFACE PENETRATION GROUP *(CONT.)*								
67368	TRANSITIONAL	TREE	N34° 43' 41.16"	W112° 01' 58.71"	15.4	3,566.6		TRIM/REMOVE
67376	TRANSITIONAL	TREE	N34° 43' 41.22"	W112° 01' 58.66"	4.8	3,557.1		TRIM/REMOVE
67416	TRANSITIONAL	TREE	N34° 43' 40.11"	W112° 01' 57.12"	1.6	3,566.1		TRIM/REMOVE
67432	TRANSITIONAL	TREE	N34° 43' 39.34"	W112° 01' 56.87"	5.8	3,568.8		TRIM/REMOVE
68472	TRANSITIONAL	BUSH	N34° 43' 57.13"	W112° 02' 08.09"	9.4	3,539.6		TRIM/REMOVE
68480	TRANSITIONAL	BUSH	N34° 43' 57.23"	W112° 02' 08.08"	8.1	3,539.0		TRIM/REMOVE
68488	TRANSITIONAL	BUSH	N34° 43' 57.18"	W112° 02' 08.03"	6.4	3,537.6		TRIM/REMOVE
68496	TRANSITIONAL	BUSH	N34° 43' 56.86"	W112° 02' 07.86"	6.9	3,538.4		TRIM/REMOVE
68520	TRANSITIONAL	BUSH	N34° 43' 55.98"	W112° 02' 07.44"	8.9	3,540.4		TRIM/REMOVE
68528	TRANSITIONAL	TREE	N34° 43' 56.24"	W112° 02' 07.52"	12.5	3,544.3		TRIM/REMOVE
68536	TRANSITIONAL	TREE	N34° 43' 56.49"	W112° 02' 07.70"	13.7	3,544.9		TRIM/REMOVE
68544	TRANSITIONAL	BUSH	N34° 43' 58.28"	W112° 02' 08.68"	7.8	3,537.5		TRIM/REMOVE
68568	TRANSITIONAL	BUSH	N34° 43' 58.91"	W112° 02' 09.03"	6.7	3,535.8		TRIM/REMOVE
68576	TRANSITIONAL	BUSH	N34° 43' 58.97"	W112° 02' 08.87"	4.4	3,535.8		TRIM/REMOVE
68584	TRANSITIONAL	BUSH	N34° 43' 59.13"	W112° 02' 09.01"	4.8	3,535.4		TRIM/REMOVE
68592	TRANSITIONAL	BUSH	N34° 43' 59.35"	W112° 02' 09.13"	5.9	3,536.3		TRIM/REMOVE
68600	TRANSITIONAL	BUSH	N34° 43' 59.45"	W112° 02' 09.18"	4.3	3,534.5		TRIM/REMOVE
68648	TRANSITIONAL	BUSH	N34° 44' 00.98"	W112° 02' 10.05"	2.0	3,530.6		TRIM/REMOVE
68664	TRANSITIONAL	BUSH	N34° 44' 00.67"	W112° 02' 09.92"	1.7	3,530.1		TRIM/REMOVE
68672	TRANSITIONAL	BUSH	N34° 44' 00.83"	W112° 02' 10.08"	3.5	3,531.0		TRIM/REMOVE
68712	TRANSITIONAL	MISC_UTIL	N34° 44' 01.22"	W112° 02' 10.37"	4.8	3,531.2	3.2	PROVIDE OL
68720	TRANSITIONAL	BUSH	N34° 44' 02.18"	W112° 02' 10.89"	4.8	3,530.5		TRIM/REMOVE
68792	TRANSITIONAL	TREE	N34° 44' 04.01"	W112° 02' 10.58"	0.7	3,539.5		TRIM/REMOVE
68800	TRANSITIONAL	TREE	N34° 44' 04.40"	W112° 02' 11.57"	5.5	3,535.2		TRIM/REMOVE
68840	TRANSITIONAL	FENCE	N34° 44' 01.34"	W112° 02' 10.17"	3.5	3,532.7	6.6	REMOVE/LOWER/PROVIDE OL
69072	TRANSITIONAL	SCRUB	N34° 43' 42.17"	W112° 02' 06.52"	9.8	3,551.6		TRIM/REMOVE
69296	TRANSITIONAL	SCRUB	N34° 43' 41.18"	W112° 02' 06.03"	7.5	3,550.7		TRIM/REMOVE
69512	TRANSITIONAL	SCRUB	N34° 43' 38.11"	W112° 02' 04.30"	3.7	3,549.3		TRIM/REMOVE
69520	TRANSITIONAL	SCRUB	N34° 43' 38.00"	W112° 02' 04.27"	4.1	3,550.0		TRIM/REMOVE
69656	TRANSITIONAL	SCRUB	N34° 43' 37.21"	W112° 02' 03.94"	10.4	3,558.2		TRIM/REMOVE
69664	TRANSITIONAL	SCRUB	N34° 43' 37.43"	W112° 02' 04.04"	7.4	3,554.8		TRIM/REMOVE
69672	TRANSITIONAL	SCRUB	N34° 43' 37.23"	W112° 02' 04.18"	6.8	3,557.3		TRIM/REMOVE
69680	TRANSITIONAL	SCRUB	N34° 43' 37.38"	W112° 02' 04.26"	6.2	3,556.4		TRIM/REMOVE
69688	TRANSITIONAL	SCRUB	N34° 43' 37.45"	W112° 02' 04.40"	4.7	3,556.1		TRIM/REMOVE
69696	TRANSITIONAL	SCRUB	N34° 43' 37.62"	W112° 02' 04.44"	3.6	3,554.2		TRIM/REMOVE
69704	TRANSITIONAL	SCRUB	N34° 43' 37.58"	W112° 02' 04.30"	6.2	3,555.4		TRIM/REMOVE
69712	TRANSITIONAL	SCRUB	N34° 43' 37.74"	W112° 02' 04.39"	4.3	3,553.5		TRIM/REMOVE
69720	TRANSITIONAL	SCRUB	N34° 43' 37.71"	W112° 02' 04.21"	6.6	3,554.0		TRIM/REMOVE
69784	TRANSITIONAL	SCRUB	N34° 43' 35.84"	W112° 02' 03.01"	24.1	3,571.0		TRIM/REMOVE
69792	TRANSITIONAL	SCRUB	N34° 43' 35.72"	W112° 02' 02.92"	23.9	3,570.8		TRIM/REMOVE
69800	TRANSITIONAL	SCRUB	N34° 43' 35.55"	W112° 02' 02.85"	21.8	3,569.1		TRIM/REMOVE
70032	TRANSITIONAL	SCRUB	N34° 43' 33.55"	W112° 02' 01.75"	17.5	3,566.5		TRIM/REMOVE
70192	TRANSITIONAL	SCRUB	N34° 43' 32.90"	W112° 02' 01.39"	15.5	3,565.0		TRIM/REMOVE
70264	TRANSITIONAL	SCRUB	N34° 43' 32.02"	W112° 02' 00.89"	16.1	3,566.2		TRIM/REMOVE
70272	TRANSITIONAL	SCRUB	N34° 43' 31.91"	W112° 02' 00.89"	16.3	3,567.2		TRIM/REMOVE
70432	TRANSITIONAL	SCRUB	N34° 43' 31.34"	W112° 02' 00.55"	15.9	3,567.0		TRIM/REMOVE
70440	TRANSITIONAL	SCRUB	N34° 43' 31.13"	W112° 02' 00.51"	15.8	3,567.9		TRIM/REMOVE
70448	TRANSITIONAL	SCRUB	N34° 43' 31.01"	W112° 02' 00.62"	15.3	3,569.7		TRIM/REMOVE
70456	TRANSITIONAL	SCRUB	N34° 43' 30.95"	W112° 02' 00.74"	12.7	3,568.9		TRIM/REMOVE
70616	TRANSITIONAL	SCRUB	N34° 43' 30.43"	W112° 02' 00.10"	16.7	3,569.2		TRIM/REMOVE
70624	TRANSITIONAL	SCRUB	N34° 43' 30.30"	W112° 02' 00.08"	15.9	3,569.1		TRIM/REMOVE
70632	TRANSITIONAL	SCRUB	N34° 43' 30.21"	W112° 02' 00.00"	15.9	3,568.8		TRIM/REMOVE
70640	TRANSITIONAL	SCRUB	N34° 43' 30.15"	W112° 02' 00.13"	13.9	3,568.8		TRIM/REMOVE
70648	TRANSITIONAL	SCRUB	N34° 43' 30.08"	W112° 02' 00.13"	13.2	3,568.7		TRIM/REMOVE
70656	TRANSITIONAL	SCRUB	N34° 43' 30.05"	W112° 02' 00.06"	13.4	3,568.2		TRIM/REMOVE
70664	TRANSITIONAL	SCRUB	N34° 43' 29.94"	W112° 01' 59.96"	15.7	3,570.2		TRIM/REMOVE
70824	TRANSITIONAL	SCRUB	N34° 43' 29.70"	W112° 01' 59.66"	16.9	3,569.6		TRIM/REMOVE
71008	TRANSITIONAL	SCRUB	N34° 43' 28.32"	W112° 01' 58.87"	16.5	3,569.9		TRIM/REMOVE
71016	TRANSITIONAL	SCRUB	N34° 43' 28.38"	W112° 01' 59.08"	14.6	3,570.2		TRIM/REMOVE
71024	TRANSITIONAL	SCRUB	N34° 43' 28.18"	W112° 01' 59.08"	12.7	3,569.7		TRIM/REMOVE
71032	TRANSITIONAL	SCRUB	N34° 43' 28.61"	W112° 01' 59.37"	13.9	3,571.2		TRIM/REMOVE
71040	TRANSITIONAL	SCRUB	N34° 43' 28.58"	W112° 01' 59.52"	11.8	3,571.0		TRIM/REMOVE
71048	TRANSITIONAL	SCRUB	N34° 43' 28.40"	W112° 01' 59.56"	9.7	3,570.7		TRIM/REMOVE
71056	TRANSITIONAL	SCRUB	N34° 43' 28.29"	W112° 01' 59.44"	10.2	3,570.7		TRIM/REMOVE
71064	TRANSITIONAL	SCRUB	N34° 43' 28.01"	W112° 01' 59.20"	10.8	3,570.4		TRIM/REMOVE
71072	TRANSITIONAL	SCRUB	N34° 43' 27.90"	W112° 01' 59.23"	8.9	3,569.8		TRIM/REMOVE
71080	TRANSITIONAL	SCRUB	N34° 43' 27.70"	W112° 01' 58.75"	14.1	3,570.8		TRIM/REMOVE
71088	TRANSITIONAL	SCRUB	N34° 43' 27.80"	W112° 01' 58.70"	14.7	3,570.1		TRIM/REMOVE
71376	TRANSITIONAL	SCRUB	N34° 43' 48.63"	W112° 02' 10.12"	20.4	3,557.0		TRIM/REMOVE
71384	TRANSITIONAL	SCRUB	N34° 43' 48.52"	W112° 02' 10.21"	19.7	3,558.1		TRIM/REMOVE
71392	TRANSITIONAL	SCRUB	N34° 43' 48.42"	W112° 02' 10.13"	19.8	3,558.1		TRIM/REMOVE
71400	TRANSITIONAL	SCRUB	N34° 43' 48.34"	W112° 02' 10.23"	18.2	3,558.0		TRIM/REMOVE
71408	TRANSITIONAL	SCRUB	N34° 43' 48.33"	W112° 02' 10.33"	16.9	3,558.0		TRIM/REMOVE
71416	TRANSITIONAL	SCRUB	N34° 43' 48.61"	W112° 02' 10.31"	18.6	3,557.5		TRIM/REMOVE
71424	TRANSITIONAL	SCRUB	N34° 43' 48.78"	W112° 02' 10.39"	19.5	3,558.0		TRIM/REMOVE
71432	TRANSITIONAL	SCRUB	N34° 43' 48.82"	W112° 02' 10.27"	19.5	3,556.5		TRIM/REMOVE
71592	TRANSITIONAL	SCRUB	N34° 43' 50.04"	W112° 02' 10.92"	19.6	3,555.4		TRIM/REMOVE
71808	TRANSITIONAL	SCRUB	N34° 43' 48.05"	W112° 02' 09.74"	17.8	3,554.3		TRIM/REMOVE
71816	TRANSITIONAL	SCRUB	N34° 43' 48.20"	W112° 02' 09.81"	18.9	3,555.2		TRIM/REMOVE

NOTES

1. SURVEY PERFORMED JULY 2020.
2. PART 77 SURFACES BASED ON 14 CFR PART 77.
3. PART 77 APPROACH SURFACES SHOWN ON SHEET 34 - INNER PORTION OF THE APPROACH SURFACE DRAWING; PART 77 APPROACH SURFACE OBSTRUCTIONS LISTED ON SHEETS 35-36.
4. TRAVERSEWAY ELEVATIONS INCLUDE THE FOLLOWING ADJUSTMENTS: PRIVATE ROADS: 10', PUBLIC ROADS: 15'. NO INTERSTATE HIGHWAYS OR RAILROADS ARE LOCATED IN THE IMMEDIATE VICINITY OF THE AIRPORT.
5. SURVEY IDENTIFIED A TOTAL OF 6,298 OBSTRUCTIONS TO PART 77 SURFACES, NOT INCLUDING PART 77 APPROACH SURFACES. OBSTRUCTIONS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT TOP 2% OF PENETRATIONS TO EACH PART 77 SURFACE.
6. OBSTRUCTION GROUPS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT APPROXIMATE LOCATION OF ALL OBSTRUCTIONS. COMPREHENSIVE LISTS OF OBSTRUCTIONS TO EACH PART 77 SURFACE, NOT INCLUDING PART 77 APPROACH SURFACES, ARE INCLUDED ON SHEETS 7-33.
7. OBSTRUCTION DESCRIPTIONS ARE GROUPED IN THE SUMMARY TABLE ON SHEET 6 - AIRPORT AIRSPACE DRAWING PER THE FOLLOWING: VEGETATION = BUSH, SCRUB, TREE; GROUND = GROUND; BUILDINGS/HANGARS = BUILDING, HANGAR; POLES/TOWERS = ANTENNA, BEACON, POLE, POLE_LIGHT, POLE_UTIL, POST, TRANSMISSION_PYLON, VERTICAL_POINT; NAVAIDS = PAPI, PAPI_CONTROL_BOX, REIL, SIGN, WINDSOCK; GROUND TRANSPORTATION = PARKING_LOT, ROAD - PRIVATE, ROAD - PUBLIC, STREET SIGN; UTILITY INFRASTRUCTURE = A/G PIPE, DAM, ELEC_BOX, MISC_UTIL, SOLAR_PANELS, TANK, TRANSFORMER; FENCE = FENCE, GATE; OTHER = CANOPY, DIRT_PILE, WALL
8. ALL HEIGHTS SHOWN IN FEET.
9. OBSTRUCTION HEIGHT ABOVE GROUND LEVEL PROVIDED WHERE AVAILABLE.
10. DEFINITIONS: PEN = PENETRATION; MSL = MEAN SEA LEVEL; AGL = ABOVE GROUND LEVEL; OL = OBSTRUCTION LIGHTING; DNH = DETERMINATION OF NO HAZARD

NO.	DATE	REVISIONS	BY	APPR.
5				
4				
3				
2				
1				

Kimley»Horn

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COTTONWOOD MUNICIPAL AIRPORT
COTTONWOOD, AZ

AIRPORT AIRSPACE DRAWING - PART 77 SURFACE PENETRATION TABLES (7 OF 27)

JOB NO. 291447000	DRAWN KH	CHECKED CBW	SHEET 13 OF 40
DATE: DECEMBER 2022	DESIGNED JTC	APPROVED CBW	

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
TRANSITIONAL SURFACE PENETRATION GROUP *(CONT.)*								
71824	TRANSITIONAL	SCRUB	N34° 43' 48.27"	W112° 02' 10.00"	18.7	3,556.5		TRIM/REMOVE
71832	TRANSITIONAL	SCRUB	N34° 43' 48.34"	W112° 02' 10.04"	19.2	3,557.0		TRIM/REMOVE
71840	TRANSITIONAL	SCRUB	N34° 43' 47.90"	W112° 02' 09.80"	17.3	3,555.5		TRIM/REMOVE
71848	TRANSITIONAL	SCRUB	N34° 43' 47.85"	W112° 02' 09.73"	17.1	3,554.9		TRIM/REMOVE
71856	TRANSITIONAL	SCRUB	N34° 43' 47.68"	W112° 02' 09.60"	17.4	3,554.9		TRIM/REMOVE
71864	TRANSITIONAL	SCRUB	N34° 43' 47.70"	W112° 02' 09.74"	15.7	3,554.7		TRIM/REMOVE
71872	TRANSITIONAL	SCRUB	N34° 43' 47.81"	W112° 02' 09.91"	14.8	3,554.8		TRIM/REMOVE
71880	TRANSITIONAL	SCRUB	N34° 43' 47.63"	W112° 02' 09.87"	15.0	3,555.9		TRIM/REMOVE
71888	TRANSITIONAL	SCRUB	N34° 43' 47.69"	W112° 02' 09.96"	14.1	3,555.5		TRIM/REMOVE
71896	TRANSITIONAL	SCRUB	N34° 43' 47.78"	W112° 02' 10.04"	14.5	3,556.2		TRIM/REMOVE
71904	TRANSITIONAL	SCRUB	N34° 43' 47.57"	W112° 02' 09.97"	12.8	3,555.2		TRIM/REMOVE
71912	TRANSITIONAL	SCRUB	N34° 43' 47.45"	W112° 02' 09.77"	12.5	3,553.6		TRIM/REMOVE
71920	TRANSITIONAL	SCRUB	N34° 43' 47.53"	W112° 02' 09.54"	17.1	3,554.9		TRIM/REMOVE
71952	TRANSITIONAL	SCRUB	N34° 43' 47.43"	W112° 02' 09.39"	14.9	3,551.8		TRIM/REMOVE
71960	TRANSITIONAL	SCRUB	N34° 43' 47.32"	W112° 02' 09.51"	13.7	3,552.7		TRIM/REMOVE
71968	TRANSITIONAL	SCRUB	N34° 43' 47.26"	W112° 02' 09.30"	15.2	3,552.3		TRIM/REMOVE
72040	TRANSITIONAL	SCRUB	N34° 43' 46.82"	W112° 02' 09.07"	12.3	3,550.0		TRIM/REMOVE
72128	TRANSITIONAL	SCRUB	N34° 43' 45.94"	W112° 02' 08.62"	12.4	3,551.2		TRIM/REMOVE
72136	TRANSITIONAL	SCRUB	N34° 43' 45.86"	W112° 02' 08.54"	12.3	3,550.8		TRIM/REMOVE
72168	TRANSITIONAL	SCRUB	N34° 43' 45.73"	W112° 02' 08.47"	11.6	3,550.2		TRIM/REMOVE
72184	TRANSITIONAL	SCRUB	N34° 43' 45.46"	W112° 02' 08.41"	10.0	3,549.9		TRIM/REMOVE
72192	TRANSITIONAL	SCRUB	N34° 43' 45.62"	W112° 02' 08.57"	9.6	3,550.1		TRIM/REMOVE
72200	TRANSITIONAL	SCRUB	N34° 43' 45.49"	W112° 02' 08.70"	8.0	3,550.8		TRIM/REMOVE
72208	TRANSITIONAL	SCRUB	N34° 43' 45.33"	W112° 02' 08.64"	7.9	3,551.2		TRIM/REMOVE
72216	TRANSITIONAL	SCRUB	N34° 43' 45.35"	W112° 02' 08.44"	9.5	3,550.3		TRIM/REMOVE
72224	TRANSITIONAL	SCRUB	N34° 43' 45.17"	W112° 02' 08.54"	7.1	3,550.3		TRIM/REMOVE
72232	TRANSITIONAL	SCRUB	N34° 43' 45.14"	W112° 02' 08.64"	6.3	3,551.0		TRIM/REMOVE
72240	TRANSITIONAL	SCRUB	N34° 43' 45.38"	W112° 02' 08.93"	4.3	3,550.5		TRIM/REMOVE
72248	TRANSITIONAL	SCRUB	N34° 43' 45.57"	W112° 02' 08.98"	6.0	3,551.5		TRIM/REMOVE
72256	TRANSITIONAL	SCRUB	N34° 43' 45.60"	W112° 02' 08.88"	7.2	3,551.3		TRIM/REMOVE
72264	TRANSITIONAL	SCRUB	N34° 43' 45.96"	W112° 02' 08.92"	8.6	3,550.6		TRIM/REMOVE
72272	TRANSITIONAL	SCRUB	N34° 43' 45.97"	W112° 02' 09.15"	7.1	3,551.6		TRIM/REMOVE
72280	TRANSITIONAL	TREE	N34° 43' 45.74"	W112° 02' 08.66"	13.0	3,553.7		TRIM/REMOVE
72288	TRANSITIONAL	SCRUB	N34° 43' 45.33"	W112° 02' 08.29"	11.1	3,550.5		TRIM/REMOVE
72304	TRANSITIONAL	SCRUB	N34° 43' 45.10"	W112° 02' 08.25"	8.9	3,549.4		TRIM/REMOVE
72312	TRANSITIONAL	SCRUB	N34° 43' 44.92"	W112° 02' 08.28"	6.9	3,549.1		TRIM/REMOVE
72320	TRANSITIONAL	SCRUB	N34° 43' 45.06"	W112° 02' 08.36"	7.7	3,549.9		TRIM/REMOVE
72416	TRANSITIONAL	SCRUB	N34° 43' 43.54"	W112° 02' 07.30"	9.5	3,550.3		TRIM/REMOVE
72424	TRANSITIONAL	SCRUB	N34° 43' 43.62"	W112° 02' 07.43"	8.6	3,550.5		TRIM/REMOVE
72432	TRANSITIONAL	SCRUB	N34° 43' 43.73"	W112° 02' 07.46"	8.9	3,550.2		TRIM/REMOVE
72464	TRANSITIONAL	SCRUB	N34° 43' 43.23"	W112° 02' 07.18"	7.4	3,549.1		TRIM/REMOVE
72472	TRANSITIONAL	SCRUB	N34° 43' 43.29"	W112° 02' 07.30"	7.1	3,549.7		TRIM/REMOVE
72480	TRANSITIONAL	SCRUB	N34° 43' 43.12"	W112° 02' 07.31"	5.8	3,549.7		TRIM/REMOVE
72488	TRANSITIONAL	SCRUB	N34° 43' 42.97"	W112° 02' 07.33"	4.9	3,550.1		TRIM/REMOVE
72496	TRANSITIONAL	SCRUB	N34° 43' 42.85"	W112° 02' 07.15"	6.2	3,550.3		TRIM/REMOVE
72504	TRANSITIONAL	SCRUB	N34° 43' 42.73"	W112° 02' 07.22"	4.7	3,550.5		TRIM/REMOVE
72512	TRANSITIONAL	SCRUB	N34° 43' 42.68"	W112° 02' 07.40"	2.4	3,550.5		TRIM/REMOVE
72520	TRANSITIONAL	SCRUB	N34° 43' 42.77"	W112° 02' 07.44"	3.1	3,551.0		TRIM/REMOVE
72528	TRANSITIONAL	SCRUB	N34° 43' 42.89"	W112° 02' 07.53"	2.9	3,551.0		TRIM/REMOVE
72536	TRANSITIONAL	SCRUB	N34° 43' 43.09"	W112° 02' 07.57"	4.1	3,551.2		TRIM/REMOVE
72544	TRANSITIONAL	SCRUB	N34° 43' 43.06"	W112° 02' 07.47"	3.3	3,549.5		TRIM/REMOVE
72552	TRANSITIONAL	SCRUB	N34° 43' 43.13"	W112° 02' 07.45"	4.3	3,549.7		TRIM/REMOVE
72560	TRANSITIONAL	SCRUB	N34° 43' 43.26"	W112° 02' 07.50"	5.0	3,550.1		TRIM/REMOVE
72568	TRANSITIONAL	SCRUB	N34° 43' 43.41"	W112° 02' 07.57"	6.1	3,551.0		TRIM/REMOVE
72576	TRANSITIONAL	SCRUB	N34° 43' 43.38"	W112° 02' 07.66"	4.7	3,550.7		TRIM/REMOVE
72584	TRANSITIONAL	SCRUB	N34° 43' 43.56"	W112° 02' 07.56"	8.4	3,552.1		TRIM/REMOVE
72592	TRANSITIONAL	SCRUB	N34° 43' 43.68"	W112° 02' 07.63"	8.9	3,552.6		TRIM/REMOVE
72600	TRANSITIONAL	SCRUB	N34° 43' 43.72"	W112° 02' 07.79"	7.3	3,552.3		TRIM/REMOVE
72608	TRANSITIONAL	SCRUB	N34° 43' 42.55"	W112° 02' 07.30"	3.6	3,551.5		TRIM/REMOVE
72616	TRANSITIONAL	SCRUB	N34° 43' 42.37"	W112° 02' 07.23"	4.2	3,552.6		TRIM/REMOVE
72624	TRANSITIONAL	SCRUB	N34° 43' 42.31"	W112° 02' 07.35"	3.2	3,553.4		TRIM/REMOVE
72632	TRANSITIONAL	SCRUB	N34° 43' 42.45"	W112° 02' 07.38"	1.7	3,551.2		TRIM/REMOVE
72640	TRANSITIONAL	SCRUB	N34° 43' 42.49"	W112° 02' 07.54"	1.1	3,552.2		TRIM/REMOVE
72648	TRANSITIONAL	SCRUB	N34° 43' 42.55"	W112° 02' 07.66"	0.5	3,552.4		TRIM/REMOVE
72656	TRANSITIONAL	SCRUB	N34° 43' 42.64"	W112° 02' 07.73"	0.4	3,552.4		TRIM/REMOVE
72664	TRANSITIONAL	SCRUB	N34° 43' 42.23"	W112° 02' 07.23"	3.1	3,552.4		TRIM/REMOVE
72672	TRANSITIONAL	SCRUB	N34° 43' 42.13"	W112° 02' 07.10"	3.4	3,552.1		TRIM/REMOVE
72680	TRANSITIONAL	SCRUB	N34° 43' 42.18"	W112° 02' 06.93"	5.5	3,551.8		TRIM/REMOVE
72688	TRANSITIONAL	SCRUB	N34° 43' 42.15"	W112° 02' 06.84"	6.3	3,551.8		TRIM/REMOVE
72696	TRANSITIONAL	SCRUB	N34° 43' 42.03"	W112° 02' 06.79"	5.9	3,551.7		TRIM/REMOVE
72704	TRANSITIONAL	SCRUB	N34° 43' 41.95"	W112° 02' 06.80"	4.3	3,550.8		TRIM/REMOVE
72712	TRANSITIONAL	SCRUB	N34° 43' 42.02"	W112° 02' 06.65"	7.2	3,551.5		TRIM/REMOVE
72720	TRANSITIONAL	SCRUB	N34° 43' 42.20"	W112° 02' 06.69"	9.8	3,553.2		TRIM/REMOVE
72728	TRANSITIONAL	SCRUB	N34° 43' 42.26"	W112° 02' 06.85"	7.1	3,552.0		TRIM/REMOVE
72736	TRANSITIONAL	SCRUB	N34° 43' 42.38"	W112° 02' 06.77"	7.1	3,550.2		TRIM/REMOVE
72744	TRANSITIONAL	SCRUB	N34° 43' 42.49"	W112° 02' 06.75"	8.5	3,550.6		TRIM/REMOVE
72752	TRANSITIONAL	SCRUB	N34° 43' 42.61"	W112° 02' 06.91"	9.4	3,552.4		TRIM/REMOVE
72760	TRANSITIONAL	SCRUB	N34° 43' 42.81"	W112° 02' 06.96"	9.6	3,551.8		TRIM/REMOVE
72776	TRANSITIONAL	TREE	N34° 43' 42.49"	W112° 02' 06.91"	11.6	3,555.5		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
TRANSITIONAL SURFACE PENETRATION GROUP *(CONT.)*								
72784	TRANSITIONAL	TREE	N34° 43' 41.86"	W112° 02' 06.49"	10.2	3,553.8		TRIM/REMOVE
72792	TRANSITIONAL	TREE	N34° 43' 41.50"	W112° 02' 06.62"	8.5	3,556.2		TRIM/REMOVE
72800	TRANSITIONAL	TREE	N34° 43' 41.56"	W112° 02' 06.76"	5.9	3,554.8		TRIM/REMOVE
72808	TRANSITIONAL	TREE	N34° 43' 41.82"	W112° 02' 07.11"	5.9	3,556.8		TRIM/REMOVE
72816	TRANSITIONAL	TREE	N34° 43' 41.67"	W112° 02' 07.01"	5.7	3,556.5		TRIM/REMOVE
72824	TRANSITIONAL	SCRUB	N34° 43' 41.21"	W112° 02' 06.21"	6.1	3,551.1		TRIM/REMOVE
72832	TRANSITIONAL	SCRUB	N34° 43' 41.02"	W112° 02' 06.23"	4.7	3,551.3		TRIM/REMOVE
72840	TRANSITIONAL	SCRUB	N34° 43' 41.00"	W112° 02' 06.35"	2.9	3,551.0		TRIM/REMOVE
72848	TRANSITIONAL	SCRUB	N34° 43' 41.27"	W112° 02' 06.35"	6.3	3,552.6		TRIM/REMOVE
72856	TRANSITIONAL	SCRUB	N34° 43' 41.32"	W112° 02' 06.49"	4.4	3,551.8		TRIM/REMOVE
72864	TRANSITIONAL	SCRUB	N34° 43' 41.08"	W112° 02' 06.50"	3.2	3,552.6		TRIM/REMOVE
72872	TRANSITIONAL	SCRUB	N34° 43' 41.57"	W112° 02' 06.40"	6.8	3,551.5		TRIM/REMOVE
72880	TRANSITIONAL	SCRUB	N34° 43' 41.52"	W112° 02' 06.24"	7.8	3,551.1		TRIM/REMOVE
72888	TRANSITIONAL	SCRUB	N34° 43' 41.45"	W112° 02' 06.32"	5.6	3,550.2		TRIM/REMOVE
72896	TRANSITIONAL	SCRUB	N34° 43' 41.30"	W112° 02' 06.24"	5.7	3,550.5		TRIM/REMOVE
72904	TRANSITIONAL	SCRUB	N34° 43' 41.68"	W112° 02' 06.58"	6.1	3,552.1		TRIM/REMOVE
72912	TRANSITIONAL	SCRUB	N34° 43' 41.74"	W112° 02' 06.79"	3.7	3,551.6		TRIM/REMOVE
72920	TRANSITIONAL	SCRUB	N34° 43' 41.80"	W112° 02' 06.95"	2.0	3,551.3		TRIM/REMOVE
72928	TRANSITIONAL	SCRUB	N34° 43' 41.87"	W112° 02' 06.97"	2.3	3,551.3		TRIM/REMOVE
72936	TRANSITIONAL	SCRUB	N34° 43' 41.96"	W112° 02' 06.49"	6.5	3,549.5		TRIM/REMOVE
72960	TRANSITIONAL	SCRUB	N34° 43' 40.87"	W112° 02' 05.95"	3.6	3,548.2		TRIM/REMOVE
72968	TRANSITIONAL	SCRUB	N34° 43' 40.95"	W112° 02' 05.88"	5.2	3,548.4		TRIM/REMOVE
72976	TRANSITIONAL	SCRUB	N34° 43' 41.03"	W112° 02' 05.97"	5.1	3,548.7		TRIM/REMOVE
72984	TRANSITIONAL	SCRUB	N34° 43' 41.04"	W112° 02' 06.10"	3.4	3,548.4		TRIM/REMOVE
73008	TRANSITIONAL	SCRUB	N34° 43' 39.38"	W112° 02' 04.98"	2.1	3,546.3		TRIM/REMOVE
73040	TRANSITIONAL	SCRUB	N34° 43' 30.54"	W112° 02' 00.14"	14.8	3,566.9		TRIM/REMOVE
73048	TRANSITIONAL	SCRUB	N34° 43' 30.32"	W112° 02' 00.32"	13.7	3,569.5		TRIM/REMOVE
73056	TRANSITIONAL	SCRUB	N34° 43' 30.42"	W112° 02' 00.34"	13.9	3,569.3		TRIM/REMOVE
73064	TRANSITIONAL	SCRUB	N34° 43' 29.61"	W112° 02' 00.03"	13.1	3,570.8		TRIM/REMOVE
73072	TRANSITIONAL	SCRUB	N34° 43' 29.54"	W112° 01' 59.92"	13.7	3,570.5		TRIM/REMOVE
73080	TRANSITIONAL	SCRUB	N34° 43' 29.66"	W112° 01' 59.79"	17.1	3,571.5		TRIM/REMOVE
73088	TRANSITIONAL	SCRUB	N34° 43' 29.78"	W112° 02' 00.01"	16.3	3,572.5		TRIM/REMOVE
73096	TRANSITIONAL	SCRUB	N34° 43' 29.35"	W112° 01' 59.50"	18.3	3,571.6		TRIM/REMOVE
73104	TRANSITIONAL	SCRUB	N34° 43' 29.27"	W112° 01' 59.41"	18.8	3,571.6		TRIM/REMOVE
73112	TRANSITIONAL	SCRUB	N34° 43' 29.09"	W112° 01' 59.45"	16.9	3,571.6		TRIM/REMOVE
73120	TRANSITIONAL	SCRUB	N34° 43' 29.04"	W112° 01' 59.59"	14.9	3,571.6		TRIM/REMOVE
73128	TRANSITIONAL	SCRUB	N34° 43' 29.13"	W112° 01' 59.63"	14.8	3,571.4		TRIM/REMOVE
73136	TRANSITIONAL	SCRUB	N34° 43' 29.19"	W112° 01' 59.77"	12.5	3,570.3		TRIM/REMOVE
73144	TRANSITIONAL	SCRUB	N34° 43' 28.99"	W112° 01' 59.34"	16.1	3,570.3		TRIM/REMOVE
73152	TRANSITIONAL	SCRUB	N34° 43' 28.77"	W112° 01' 59.45"	13.7	3,570.8		TRIM/REMOVE
73160	TRANSITIONAL	SCRUB	N34° 43' 28.70"	W112° 01' 59.57"	12.5	3,571.5		TRIM/REMOVE
73168	TRANSITIONAL	SCRUB	N34° 43' 28.83"	W112° 01' 59.65"	12.6	3,571.5		TRIM/REMOVE
73248	TRANSITIONAL	SCRUB	N34° 43' 27.61"	W112° 01' 58.47"	17.0	3,571.0		TRIM/REMOVE
73256	TRANSITIONAL	SCRUB	N34° 43' 27.42"	W112° 01' 58.38"	18.4	3,572.7		TRIM/REMOVE
73264	TRANSITIONAL	SCRUB	N34° 43' 27.47"	W112° 01' 58.55"	14.8	3,570.8		TRIM/REMOVE
73272	TRANSITIONAL	SCRUB	N34° 43' 27.51"	W112° 01' 58.70"	13.7	3,571.1		TRIM/REMOVE
73344	TRANSITIONAL	SCRUB	N34° 43' 26.81"	W112° 01' 58.20"	14.4	3,571.0		TRIM/REMOVE
73352	TRANSITIONAL	SCRUB	N34° 43' 26.60"	W112° 01' 58.00"	16.9	3,572.7		TRIM/REMOVE
73360	TRANSITIONAL	SCRUB	N34° 43' 26.89"	W112° 01' 58.45"	10.9	3,569.9		TRIM/REMOVE
73368	TRANSITIONAL	TREE	N34° 43' 27.26"	W112° 01' 58.35"	20.0	3,575.2		TRIM/REMOVE
73384	TRANSITIONAL	TREE	N34° 43' 27.64"	W112° 01' 58.88"	15.8	3,574.4		TRIM/REMOVE
73392	TRANSITIONAL	SCRUB	N34° 43' 26.97"	W112° 01' 58.64"	9.3	3,570.0		TRIM/REMOVE
73400	TRANSITIONAL	SCRUB	N34° 43' 27.08"	W112° 01' 58.69"	10.3	3,570.9		TRIM/REMOVE
73408	TRANSITIONAL	SCRUB	N34° 43' 27.22"	W112° 01' 58.79"	9.4	3,570.1		TRIM/REMOVE
73416	TRANSITIONAL	SCRUB	N34° 43' 27.37"	W112° 01' 58.86"	10.4	3,570.8		TRIM/REMOVE
73424	TRANSITIONAL	SCRUB	N34° 43' 27.47"	W112° 01' 59.00"	8.3	3,569.7		TRIM/REMOVE
73432	TRANSITIONAL	SCRUB	N34° 43' 27.39"	W112° 01' 59.07"	7.1	3,569.8		TRIM/REMOVE
73440	TRANSITIONAL	SCRUB	N34° 43' 27.66"	W112° 01' 59.22"	8.2	3,570.8		TRIM/REMOVE
73448	TRANSITIONAL	SCRUB	N34° 43' 27.96"	W112° 01' 59.31"	6.5	3,567.8		TRIM/REMOVE
73488	TRANSITIONAL	SCRUB	N34° 43' 26.22"	W112° 01' 57.76"	18.0	3,573.9		TRIM/REMOVE
73496	TRANSITIONAL	SCRUB	N34° 43' 26.25"	W112° 01' 57.93"	15.6	3,573.2		TRIM/REMOVE
73504	TRANSITIONAL	SCRUB	N34° 43' 26.51"	W112° 01' 58.00"	17.7	3,574.2		TRIM/REMOVE
73512	TRANSITIONAL	SCRUB	N34° 43' 26.52"	W112° 01' 58.23"	11.2	3,570.4		TRIM/REMOVE
73520	TRANSITIONAL	SCRUB	N34° 43' 26.63"	W112° 01' 58.48"	7.2	3,568.5		TRIM/REMOVE
73528	TRANSITIONAL	SCRUB	N34° 43' 26.46"	W112° 01' 58.53"	7.7	3,570.9		TRIM/REMOVE
73536	TRANSITIONAL	SCRUB	N34° 43' 26.75"	W112° 01' 58.45"	10.2	3,570.3		TRIM/REMOVE
73544	TRANSITIONAL	SCRUB	N34° 43' 26.73"	W112° 01' 58.63"	5.1	3,567.5		TRIM/REMOVE
73552	TRANSITIONAL	SCRUB	N34° 43' 26.92"	W112° 01' 58.76"	4.1	3,566.7		TRIM/REMOVE
73560	TRANSITIONAL	SCRUB	N34° 43' 27.09"	W112° 01' 58.93"	7.8	3,571.1		TRIM/REMOVE
73568	TRANSITIONAL	SCRUB	N34° 43' 27.15"	W112° 01' 58.99"	7.2	3,570.8		TRIM/REMOVE
73968	TRANSITIONAL	TREE	N34° 43' 37.97"	W112° 01' 57.00"	1.4	3,555.0		TRIM/REMOVE
73976	TRANSITIONAL	TREE	N34° 43' 37.76"	W112° 01' 57.12"	0.6	3,551.7		TRIM/REMOVE
74280	TRANSITIONAL	TREE	N34° 43' 47.27"	W112° 02' 02.38"	0.4	3,542.6		TRIM/REMOVE
74288	TRANSITIONAL	TREE	N34° 43' 47.09"	W112° 02' 02.41"	1.3	3,542.1		TRIM/REMOVE
74408	TRANSITIONAL	TRANSFORMER	N34° 43' 52.47"	W112° 02' 05.51"	5.4	3,539.9	4.1	PROVIDE OL
74416	TRANSITIONAL	MISC_UTIL	N34° 43' 50.11"	W112° 02' 04.22"	1.9	3,538.4	3.6	PROVIDE OL
74424	TRANSITIONAL	ELEC_BOX	N34° 43' 50.65"	W112° 02' 04.51"	1.8	3,537.8	2.2	REMOVE/LOWER/PROVIDE OL
74432	TRANSITIONAL	ELEC_BOX	N34° 43' 50.68"	W112° 02' 04.53"	1.8	3,537.8	2.4	REMOVE/LOWER/PROVIDE OL
74440	TRANSITIONAL	TREE	N34° 43' 42.95"	W112° 02' 00.25"	1.7	3,544.7		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
TRANSITIONAL SURFACE PENETRATION GROUP *(CONT.)*								
74760	TRANSITIONAL	BUSH	N34° 43' 50.05"	W112° 02' 04.18"	1.5	3,538.0		TRIM/REMOVE
74776	TRANSITIONAL	BUSH	N34° 43' 51.91"	W112° 02' 05.22"	4.3	3,539.1		TRIM/REMOVE
74784	TRANSITIONAL	BUSH	N34° 43' 51.95"	W112° 02' 05.16"	5.0	3,540.7		TRIM/REMOVE
74792	TRANSITIONAL	BUSH	N34° 43' 51.85"	W112° 02' 05.01"	2.1	3,539.0		TRIM/REMOVE
74800	TRANSITIONAL	BUSH	N34° 43' 51.60"	W112° 02' 05.05"	2.9	3,537.9		TRIM/REMOVE
74824	TRANSITIONAL	BUSH	N34° 43' 52.05"	W112° 02' 05.23"	2.9	3,538.4		TRIM/REMOVE
74832	TRANSITIONAL	BUSH	N34° 43' 52.53"	W112° 02' 05.37"	1.8	3,538.3		TRIM/REMOVE
74840	TRANSITIONAL	BUSH	N34° 43' 52.66"	W112° 02' 05.54"	7.7	3,542.8		TRIM/REMOVE
74848	TRANSITIONAL	BUSH	N34° 43' 53.02"	W112° 02' 05.72"	4.0	3,539.1		TRIM/REMOVE
74856	TRANSITIONAL	BUSH	N34° 43' 53.52"	W112° 02' 05.92"	4.8	3,540.4		TRIM/REMOVE
74872	TRANSITIONAL	BUSH	N34° 43' 54.03"	W112° 02' 06.26"	4.5	3,538.9		TRIM/REMOVE
74912	TRANSITIONAL	BUSH	N34° 43' 54.58"	W112° 02' 06.67"	4.6	3,537.3		TRIM/REMOVE
74928	TRANSITIONAL	BUSH	N34° 43' 55.16"	W112° 02' 07.01"	5.0	3,536.9		TRIM/REMOVE
74936	TRANSITIONAL	BUSH	N34° 43' 55.96"	W112° 02' 07.23"	3.0	3,536.8		TRIM/REMOVE
74944	TRANSITIONAL	BUSH	N34° 43' 56.00"	W112° 02' 07.34"	4.5	3,537.1		TRIM/REMOVE
74952	TRANSITIONAL	BUSH	N34° 43' 56.00"	W112° 02' 07.07"	0.8	3,536.5		TRIM/REMOVE
75040	TRANSITIONAL	SCRUB	N34° 43' 42.95"	W112° 02' 07.05"	6.4	3,548.6		TRIM/REMOVE
75088	TRANSITIONAL	SCRUB	N34° 43' 28.21"	W112° 01' 58.83"	16.4	3,570.1		TRIM/REMOVE
76547	TRANSITIONAL	SCRUB	N34° 44' 09.46"	W112° 02' 21.73"	1.9	3,524.2		TRIM/REMOVE
76595	TRANSITIONAL	DIRT_PILE	N34° 43' 22.20"	W112° 01' 56.27"	9.1	3,576.5	7.2	REMOVE/LOWER/PROVIDE OL
76779	TRANSITIONAL	TREE	N34° 43' 13.21"	W112° 01' 53.27"	4.8	3,623.3		TRIM/REMOVE
76939	TRANSITIONAL	TREE	N34° 43' 16.60"	W112° 01' 54.18"	10.8	3,607.7		TRIM/REMOVE
76947	TRANSITIONAL	TREE	N34° 43' 16.33"	W112° 01' 54.18"	14.5	3,613.9		TRIM/REMOVE
76955	TRANSITIONAL	TREE	N34° 43' 16.04"	W112° 01' 54.12"	17.8	3,619.1		TRIM/REMOVE
76979	TRANSITIONAL	TREE	N34° 43' 18.66"	W112° 01' 54.36"	13.0	3,593.1		TRIM/REMOVE
76995	TRANSITIONAL	TREE	N34° 43' 18.85"	W112° 01' 54.51"	14.7	3,594.6		TRIM/REMOVE
77003	TRANSITIONAL	TREE	N34° 43' 18.83"	W112° 01' 54.69"	21.8	3,603.6		TRIM/REMOVE
77011	TRANSITIONAL	TREE	N34° 43' 18.83"	W112° 01' 54.93"	19.8	3,603.9		TRIM/REMOVE
77019	TRANSITIONAL	TREE	N34° 43' 18.85"	W112° 01' 55.16"	10.2	3,596.3		TRIM/REMOVE
77027	TRANSITIONAL	TREE	N34° 43' 18.83"	W112° 01' 55.41"	6.4	3,595.2		TRIM/REMOVE
77035	TRANSITIONAL	TREE	N34° 43' 18.77"	W112° 01' 55.63"	8.0	3,599.4		TRIM/REMOVE
77043	TRANSITIONAL	TREE	N34° 43' 18.81"	W112° 01' 55.90"	4.0	3,597.7		TRIM/REMOVE
77107	TRANSITIONAL	TREE	N34° 43' 19.91"	W112° 01' 55.63"	1.9	3,583.1		TRIM/REMOVE
77115	TRANSITIONAL	TREE	N34° 43' 20.12"	W112° 01' 55.48"	4.8	3,582.7		TRIM/REMOVE
77123	TRANSITIONAL	TREE	N34° 43' 19.92"	W112° 01' 55.21"	5.1	3,582.1		TRIM/REMOVE
77131	TRANSITIONAL	TREE	N34° 43' 19.75"	W112° 01' 55.22"	5.3	3,583.9		TRIM/REMOVE
77139	TRANSITIONAL	TREE	N34° 43' 19.84"	W112° 01' 55.08"	4.9	3,581.5		TRIM/REMOVE
77147	TRANSITIONAL	TREE	N34° 43' 19.98"	W112° 01' 54.85"	9.4	3,582.3		TRIM/REMOVE
77155	TRANSITIONAL	TREE	N34° 43' 19.88"	W112° 01' 54.95"	7.0	3,581.8		TRIM/REMOVE
77219	TRANSITIONAL	TREE	N34° 43' 19.68"	W112° 01' 54.68"	7.4	3,581.4		TRIM/REMOVE
77235	TRANSITIONAL	TREE	N34° 43' 19.57"	W112° 01' 54.77"	5.7	3,581.5		TRIM/REMOVE
77243	TRANSITIONAL	TREE	N34° 43' 19.51"	W112° 01' 55.05"	2.3	3,581.5		TRIM/REMOVE
77259	TRANSITIONAL	TREE	N34° 43' 19.31"	W112° 01' 55.12"	0.4	3,582.0		TRIM/REMOVE
77283	TRANSITIONAL	TREE	N34° 43' 19.12"	W112° 01' 54.99"	1.7	3,583.7		TRIM/REMOVE
77291	TRANSITIONAL	TREE	N34° 43' 19.18"	W112° 01' 54.83"	0.9	3,580.9		TRIM/REMOVE
77315	TRANSITIONAL	TREE	N34° 43' 19.61"	W112° 01' 54.89"	1.9	3,578.5		TRIM/REMOVE
77331	TRANSITIONAL	TREE	N34° 43' 19.23"	W112° 01' 54.62"	0.8	3,578.4		TRIM/REMOVE
77355	TRANSITIONAL	TREE	N34° 43' 19.40"	W112° 01' 54.57"	1.3	3,576.8		TRIM/REMOVE
77499	TRANSITIONAL	TREE	N34° 43' 19.81"	W112° 01' 54.73"	3.8	3,577.2		TRIM/REMOVE
77611	TRANSITIONAL	TREE	N34° 43' 20.71"	W112° 01' 56.39"	3.1	3,584.5		TRIM/REMOVE
77619	TRANSITIONAL	TREE	N34° 43' 20.84"	W112° 01' 56.35"	1.8	3,581.6		TRIM/REMOVE
77635	TRANSITIONAL	TREE	N34° 43' 20.97"	W112° 01' 56.63"	2.1	3,583.5		TRIM/REMOVE
77643	TRANSITIONAL	TREE	N34° 43' 21.04"	W112° 01' 56.55"	0.3	3,580.3		TRIM/REMOVE
77651	TRANSITIONAL	TREE	N34° 43' 21.34"	W112° 01' 56.61"	6.4	3,584.4		TRIM/REMOVE
77659	TRANSITIONAL	TREE	N34° 43' 21.56"	W112° 01' 56.53"	4.0	3,579.2		TRIM/REMOVE
77667	TRANSITIONAL	TREE	N34° 43' 20.78"	W112° 01' 55.74"	2.5	3,576.9		TRIM/REMOVE
77675	TRANSITIONAL	TREE	N34° 43' 21.21"	W112° 01' 55.23"	10.4	3,576.1		TRIM/REMOVE
77683	TRANSITIONAL	TREE	N34° 43' 21.37"	W112° 01' 55.50"	7.9	3,574.7		TRIM/REMOVE
77691	TRANSITIONAL	TREE	N34° 43' 21.28"	W112° 01' 55.69"	10.3	3,579.8		TRIM/REMOVE
77699	TRANSITIONAL	TREE	N34° 43' 21.19"	W112° 01' 55.73"	5.3	3,575.9		TRIM/REMOVE
77707	TRANSITIONAL	TREE	N34° 43' 21.18"	W112° 01' 55.92"	4.8	3,577.3		TRIM/REMOVE
77715	TRANSITIONAL	TREE	N34° 43' 21.13"	W112° 01' 56.00"	2.7	3,576.6		TRIM/REMOVE
77723	TRANSITIONAL	TREE	N34° 43' 21.54"	W112° 01' 55.95"	8.3	3,577.9		TRIM/REMOVE
77731	TRANSITIONAL	TREE	N34° 43' 21.65"	W112° 01' 55.84"	9.8	3,577.4		TRIM/REMOVE
77739	TRANSITIONAL	TREE	N34° 43' 21.73"	W112° 01' 55.93"	8.7	3,576.4		TRIM/REMOVE
77747	TRANSITIONAL	TREE	N34° 43' 21.91"	W112° 01' 55.75"	11.9	3,576.2		TRIM/REMOVE
77755	TRANSITIONAL	TREE	N34° 43' 22.05"	W112° 01' 55.77"	12.4	3,575.9		TRIM/REMOVE
77763	TRANSITIONAL	TREE	N34° 43' 22.29"	W112° 01' 56.08"	11.7	3,576.4		TRIM/REMOVE
77787	TRANSITIONAL	TREE	N34° 43' 23.48"	W112° 01' 56.72"	20.6	3,583.7		TRIM/REMOVE
77795	TRANSITIONAL	TREE	N34° 43' 23.37"	W112° 01' 56.64"	17.4	3,580.4		TRIM/REMOVE
77803	TRANSITIONAL	TREE	N34° 43' 23.42"	W112° 01' 56.41"	24.2	3,584.5		TRIM/REMOVE
77811	TRANSITIONAL	TREE	N34° 43' 23.56"	W112° 01' 56.44"	18.4	3,578.0		TRIM/REMOVE
77819	TRANSITIONAL	TREE	N34° 43' 23.55"	W112° 01' 56.29"	21.4	3,579.5		TRIM/REMOVE
78147	TRANSITIONAL	TREE	N34° 43' 25.35"	W112° 01' 50.17"	5.5	3,568.4		TRIM/REMOVE
78155	TRANSITIONAL	TREE	N34° 43' 25.09"	W112° 01' 50.19"	8.2	3,569.5		TRIM/REMOVE
78179	TRANSITIONAL	TREE	N34° 43' 24.52"	W112° 01' 49.93"	10.4	3,572.1		TRIM/REMOVE
78411	TRANSITIONAL	TREE	N34° 43' 24.71"	W112° 01' 56.89"	18.2	3,575.0		TRIM/REMOVE
78419	TRANSITIONAL	TREE	N34° 43' 24.93"	W112° 01' 57.09"	19.8	3,577.1		TRIM/REMOVE
78427	TRANSITIONAL	TREE	N34° 43' 25.20"	W112° 01' 57.41"	18.7	3,577.8		TRIM/REMOVE

NOTES

1. SURVEY PERFORMED JULY 2020.
2. PART 77 SURFACES BASED ON 14 CFR PART 77.
3. PART 77 APPROACH SURFACES SHOWN ON SHEET 34 - INNER PORTION OF THE APPROACH SURFACE DRAWING; PART 77 APPROACH SURFACE OBSTRUCTIONS LISTED ON SHEETS 35-36.
4. TRAVERSEWAY ELEVATIONS INCLUDE THE FOLLOWING ADJUSTMENTS: PRIVATE ROADS: 10', PUBLIC ROADS: 15'. NO INTERSTATE HIGHWAYS OR RAILROADS ARE LOCATED IN THE IMMEDIATE VICINITY OF THE AIRPORT.
5. SURVEY IDENTIFIED A TOTAL OF 6,298 OBSTRUCTIONS TO PART 77 SURFACES, NOT INCLUDING PART 77 APPROACH SURFACES. OBSTRUCTIONS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT TOP 2% OF PENETRATIONS TO EACH PART 77 SURFACE.
6. OBSTRUCTION GROUPS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT APPROXIMATE LOCATION OF ALL OBSTRUCTIONS. COMPREHENSIVE LISTS OF OBSTRUCTIONS TO EACH PART 77 SURFACE, NOT INCLUDING PART 77 APPROACH SURFACES, ARE INCLUDED ON SHEETS 7-33.
7. OBSTRUCTION DESCRIPTIONS ARE GROUPED IN THE SUMMARY TABLE ON SHEET 6 - AIRPORT AIRSPACE DRAWING PER THE FOLLOWING: VEGETATION = BUSH, SCRUB, TREE; GROUND = GROUND; BUILDINGS/HANGARS = BUILDING, HANGAR; POLES/TOWERS = ANTENNA, BEACON, POLE, POLE_LIGHT, POLE_UTIL, POST, TRANSMISSION_PYLON, VERTICAL_POINT; NAVAIDS = PAPI, PAPI_CONTROL_BOX, REIL, SIGN, WINDSOCK; GROUND TRANSPORTATION = PARKING_LOT, ROAD - PRIVATE, ROAD - PUBLIC, STREET SIGN; UTILITY INFRASTRUCTURE = A/G PIPE, DAM, ELEC_BOX, MISC_UTIL, SOLAR_PANELS, TANK, TRANSFORMER; FENCE = FENCE, GATE; OTHER = CANOPY, DIRT_PILE, WALL
8. ALL HEIGHTS SHOWN IN FEET.
9. OBSTRUCTION HEIGHT ABOVE GROUND LEVEL PROVIDED WHERE AVAILABLE.
10. DEFINITIONS: PEN = PENETRATION; MSL = MEAN SEA LEVEL; AGL = ABOVE GROUND LEVEL; OL = OBSTRUCTION LIGHTING; DNH = DETERMINATION OF NO HAZARD

NO.	DATE	REVISIONS	BY	APPR.
5				
4				
3				
2				
1				

Kimley»Horn

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COTTONWOOD MUNICIPAL AIRPORT
COTTONWOOD, AZ

AIRPORT AIRSPACE DRAWING -
PART 77 SURFACE PENETRATION TABLES (8 OF 27)

JOB NO. 291447000	DRAWN KH	CHECKED CBW	SHEET 14 OF 40
DATE: DECEMBER 2022	DESIGNED JTC	APPROVED CBW	

COTTONWOOD MUNICIPAL AIRPORT (P52) | AIRPORT LAYOUT PLAN | FAA SITE NUMBER 00665.A | FAA AIP GRANT NO. 019

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
TRANSITIONAL SURFACE PENETRATION GROUP *(CONT.)*								
78467	TRANSITIONAL	TREE	N34° 43' 25.63"	W112° 01' 57.48"	20.1	3,577.0		TRIM/REMOVE
78475	TRANSITIONAL	TREE	N34° 43' 25.73"	W112° 01' 57.43"	18.8	3,574.4		TRIM/REMOVE
78483	TRANSITIONAL	TREE	N34° 43' 25.98"	W112° 01' 58.17"	17.8	3,580.2		TRIM/REMOVE
78595	TRANSITIONAL	TREE	N34° 43' 19.29"	W112° 01' 54.75"	0.8	3,579.0		TRIM/REMOVE
78603	TRANSITIONAL	TREE	N34° 43' 19.09"	W112° 01' 54.74"	0.5	3,580.5		TRIM/REMOVE
78827	TRANSITIONAL	TREE	N34° 43' 16.00"	W112° 01' 53.77"	1.1	3,599.4		TRIM/REMOVE
79011	TRANSITIONAL	TREE	N34° 43' 13.22"	W112° 01' 53.08"	2.8	3,619.4		TRIM/REMOVE
79499	TRANSITIONAL	SCRUB	N34° 43' 21.05"	W112° 01' 55.42"	3.2	3,572.1		TRIM/REMOVE
79507	TRANSITIONAL	SCRUB	N34° 43' 21.02"	W112° 01' 55.17"	5.2	3,571.9		TRIM/REMOVE
79523	TRANSITIONAL	SCRUB	N34° 43' 21.34"	W112° 01' 55.30"	6.8	3,571.9		TRIM/REMOVE
79531	TRANSITIONAL	SCRUB	N34° 43' 21.18"	W112° 01' 55.40"	4.8	3,572.3		TRIM/REMOVE
79539	TRANSITIONAL	SCRUB	N34° 43' 21.32"	W112° 01' 55.81"	4.4	3,574.7		TRIM/REMOVE
79547	TRANSITIONAL	SCRUB	N34° 43' 21.29"	W112° 01' 56.01"	0.5	3,572.9		TRIM/REMOVE
79555	TRANSITIONAL	SCRUB	N34° 43' 21.60"	W112° 01' 56.08"	3.5	3,573.9		TRIM/REMOVE
79563	TRANSITIONAL	SCRUB	N34° 43' 21.80"	W112° 01' 56.04"	5.4	3,573.6		TRIM/REMOVE
79571	TRANSITIONAL	SCRUB	N34° 43' 21.95"	W112° 01' 56.16"	5.4	3,573.7		TRIM/REMOVE
79579	TRANSITIONAL	SCRUB	N34° 43' 22.18"	W112° 01' 56.41"	11.3	3,580.2		TRIM/REMOVE
79587	TRANSITIONAL	SCRUB	N34° 43' 22.12"	W112° 01' 56.51"	10.0	3,580.5		TRIM/REMOVE
79595	TRANSITIONAL	SCRUB	N34° 43' 22.04"	W112° 01' 56.39"	9.1	3,579.0		TRIM/REMOVE
79603	TRANSITIONAL	SCRUB	N34° 43' 22.00"	W112° 01' 56.65"	6.5	3,579.4		TRIM/REMOVE
79611	TRANSITIONAL	SCRUB	N34° 43' 22.19"	W112° 01' 56.66"	4.1	3,575.5		TRIM/REMOVE
79619	TRANSITIONAL	SCRUB	N34° 43' 22.28"	W112° 01' 56.60"	5.9	3,576.0		TRIM/REMOVE
79627	TRANSITIONAL	SCRUB	N34° 43' 22.06"	W112° 01' 56.90"	1.4	3,576.3		TRIM/REMOVE
79651	TRANSITIONAL	SCRUB	N34° 43' 21.78"	W112° 01' 56.46"	3.0	3,575.7		TRIM/REMOVE
79659	TRANSITIONAL	SCRUB	N34° 43' 22.17"	W112° 01' 56.08"	9.0	3,574.7		TRIM/REMOVE
79667	TRANSITIONAL	SCRUB	N34° 43' 22.32"	W112° 01' 56.32"	8.8	3,575.8		TRIM/REMOVE
79675	TRANSITIONAL	SCRUB	N34° 43' 22.38"	W112° 01' 56.33"	8.2	3,574.8		TRIM/REMOVE
79707	TRANSITIONAL	SCRUB	N34° 43' 21.96"	W112° 01' 55.50"	11.5	3,573.1		TRIM/REMOVE
79715	TRANSITIONAL	SCRUB	N34° 43' 21.73"	W112° 01' 55.41"	9.7	3,572.4		TRIM/REMOVE
79931	TRANSITIONAL	SCRUB	N34° 43' 22.81"	W112° 01' 55.99"	12.5	3,572.3		TRIM/REMOVE
80211	TRANSITIONAL	TREE	N34° 43' 24.06"	W112° 01' 56.82"	19.8	3,580.3		TRIM/REMOVE
80219	TRANSITIONAL	TREE	N34° 43' 24.11"	W112° 01' 56.71"	21.3	3,580.2		TRIM/REMOVE
80227	TRANSITIONAL	TREE	N34° 43' 23.96"	W112° 01' 56.66"	21.1	3,580.4		TRIM/REMOVE
80235	TRANSITIONAL	TREE	N34° 43' 24.26"	W112° 01' 56.78"	18.8	3,577.3		TRIM/REMOVE
80267	TRANSITIONAL	TREE	N34° 43' 24.35"	W112° 01' 57.13"	16.1	3,578.0		TRIM/REMOVE
80275	TRANSITIONAL	TREE	N34° 43' 24.03"	W112° 01' 57.20"	17.2	3,582.0		TRIM/REMOVE
80283	TRANSITIONAL	TREE	N34° 43' 23.91"	W112° 01' 57.39"	12.8	3,580.6		TRIM/REMOVE
80291	TRANSITIONAL	TREE	N34° 43' 23.86"	W112° 01' 57.70"	11.1	3,582.6		TRIM/REMOVE
80299	TRANSITIONAL	TREE	N34° 43' 24.14"	W112° 01' 57.68"	10.0	3,579.4		TRIM/REMOVE
80307	TRANSITIONAL	TREE	N34° 43' 24.27"	W112° 01' 57.77"	10.1	3,579.6		TRIM/REMOVE
80315	TRANSITIONAL	TREE	N34° 43' 24.48"	W112° 01' 57.63"	12.3	3,578.9		TRIM/REMOVE
80323	TRANSITIONAL	TREE	N34° 43' 24.90"	W112° 01' 57.35"	20.2	3,580.7		TRIM/REMOVE
80331	TRANSITIONAL	TREE	N34° 43' 23.82"	W112° 01' 56.98"	15.2	3,579.0		TRIM/REMOVE
80339	TRANSITIONAL	TREE	N34° 43' 23.15"	W112° 01' 56.71"	16.5	3,581.7		TRIM/REMOVE
80347	TRANSITIONAL	TREE	N34° 43' 23.13"	W112° 01' 56.98"	17.1	3,585.3		TRIM/REMOVE
80355	TRANSITIONAL	TREE	N34° 43' 23.29"	W112° 01' 57.19"	11.1	3,580.5		TRIM/REMOVE
80363	TRANSITIONAL	TREE	N34° 43' 22.83"	W112° 01' 57.02"	12.6	3,583.3		TRIM/REMOVE
80371	TRANSITIONAL	TREE	N34° 43' 23.27"	W112° 01' 56.94"	13.0	3,579.9		TRIM/REMOVE
80379	TRANSITIONAL	TREE	N34° 43' 23.35"	W112° 01' 56.81"	16.5	3,581.5		TRIM/REMOVE
80387	TRANSITIONAL	TREE	N34° 43' 23.37"	W112° 01' 56.29"	20.1	3,579.4		TRIM/REMOVE
80403	TRANSITIONAL	TREE	N34° 43' 23.45"	W112° 01' 56.18"	21.5	3,579.1		TRIM/REMOVE
81027	TRANSITIONAL	SCRUB	N34° 43' 24.51"	W112° 01' 56.82"	13.5	3,570.8		TRIM/REMOVE
81035	TRANSITIONAL	SCRUB	N34° 43' 24.67"	W112° 01' 57.11"	11.2	3,570.6		TRIM/REMOVE
81043	TRANSITIONAL	SCRUB	N34° 43' 24.22"	W112° 01' 56.88"	12.9	3,572.8		TRIM/REMOVE
81051	TRANSITIONAL	SCRUB	N34° 43' 24.16"	W112° 01' 56.98"	12.9	3,574.4		TRIM/REMOVE
81059	TRANSITIONAL	SCRUB	N34° 43' 23.83"	W112° 01' 56.82"	12.4	3,574.4		TRIM/REMOVE
81363	TRANSITIONAL	TREE	N34° 43' 20.84"	W112° 01' 55.63"	0.9	3,573.8		TRIM/REMOVE
81379	TRANSITIONAL	TREE	N34° 43' 27.78"	W112° 01' 51.61"	9.6	3,569.5		TRIM/REMOVE
81387	TRANSITIONAL	TREE	N34° 43' 27.18"	W112° 01' 50.73"	5.1	3,571.9		TRIM/REMOVE
81395	TRANSITIONAL	TREE	N34° 43' 26.95"	W112° 01' 50.59"	8.0	3,575.1		TRIM/REMOVE
81411	TRANSITIONAL	TREE	N34° 43' 26.91"	W112° 01' 50.04"	6.2	3,579.4		TRIM/REMOVE
81499	TRANSITIONAL	TREE	N34° 43' 42.91"	W112° 01' 59.85"	0.3	3,547.9		TRIM/REMOVE
81539	TRANSITIONAL	TREE	N34° 43' 51.18"	W112° 02' 02.15"	3.5	3,569.8		TRIM/REMOVE
81547	TRANSITIONAL	TREE	N34° 43' 51.33"	W112° 02' 02.23"	0.3	3,566.6		TRIM/REMOVE
81555	TRANSITIONAL	TREE	N34° 43' 52.21"	W112° 02' 02.57"	24.2	3,591.3		TRIM/REMOVE
81563	TRANSITIONAL	TREE	N34° 43' 52.38"	W112° 02' 02.33"	4.7	3,575.5		TRIM/REMOVE
81595	TRANSITIONAL	BUSH	N34° 43' 51.20"	W112° 02' 04.78"	2.6	3,538.5		TRIM/REMOVE
81603	TRANSITIONAL	BUSH	N34° 43' 52.12"	W112° 02' 04.70"	0.8	3,542.7		TRIM/REMOVE
81627	TRANSITIONAL	WALL	N34° 43' 51.28"	W112° 02' 04.63"	1.3	3,539.6	6.4	REMOVE/LOWER/PROVIDE OL
81635	TRANSITIONAL	FENCE	N34° 43' 54.04"	W112° 02' 06.13"	4.8	3,540.7	6.7	REMOVE/LOWER/PROVIDE OL
81667	TRANSITIONAL	BUSH	N34° 43' 55.02"	W112° 02' 06.38"	0.2	3,538.6		TRIM/REMOVE
81699	TRANSITIONAL	BUSH	N34° 43' 55.65"	W112° 02' 06.73"	0.1	3,537.8		TRIM/REMOVE
81723	TRANSITIONAL	FENCE	N34° 43' 58.00"	W112° 02' 08.00"	1.9	3,537.9	6.9	REMOVE/LOWER/PROVIDE OL
81731	TRANSITIONAL	FENCE	N34° 43' 58.67"	W112° 02' 08.60"	4.2	3,536.9	6.9	REMOVE/LOWER/PROVIDE OL
81739	TRANSITIONAL	TRANSFORMER	N34° 43' 58.63"	W112° 02' 08.88"	7.0	3,536.3	5.8	PROVIDE OL
81747	TRANSITIONAL	MISC_UTIL	N34° 43' 58.55"	W112° 02' 08.88"	6.2	3,535.1	4.7	PROVIDE OL
81755	TRANSITIONAL	TREE	N34° 43' 59.75"	W112° 02' 08.36"	12.7	3,553.9		TRIM/REMOVE
81763	TRANSITIONAL	TREE	N34° 44' 00.33"	W112° 02' 08.39"	0.5	3,544.5		TRIM/REMOVE
81787	TRANSITIONAL	TREE	N34° 44' 00.15"	W112° 02' 08.86"	6.6	3,544.2		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
TRANSITIONAL SURFACE PENETRATION GROUP *(CONT.)*								
81795	TRANSITIONAL	TREE	N34° 44' 00.92"	W112° 02' 08.97"	2.3	3,542.8		TRIM/REMOVE
81803	TRANSITIONAL	TREE	N34° 44' 00.98"	W112° 02' 09.16"	3.2	3,541.9		TRIM/REMOVE
81819	TRANSITIONAL	TREE	N34° 44' 00.87"	W112° 02' 08.73"	3.9	3,546.8		TRIM/REMOVE
81827	TRANSITIONAL	TREE	N34° 44' 00.94"	W112° 02' 08.57"	4.0	3,549.2		TRIM/REMOVE
81843	TRANSITIONAL	TREE	N34° 44' 01.04"	W112° 02' 08.83"	4.6	3,547.4		TRIM/REMOVE
81851	TRANSITIONAL	TREE	N34° 44' 01.12"	W112° 02' 09.35"	4.2	3,541.5		TRIM/REMOVE
81859	TRANSITIONAL	TREE	N34° 44' 01.26"	W112° 02' 09.36"	14.4	3,552.3		TRIM/REMOVE
81867	TRANSITIONAL	TREE	N34° 44' 02.19"	W112° 02' 09.56"	9.3	3,549.9		TRIM/REMOVE
81875	TRANSITIONAL	TREE	N34° 44' 02.31"	W112° 02' 09.45"	8.1	3,550.6		TRIM/REMOVE
81915	TRANSITIONAL	BUILDING	N34° 44' 11.64"	W112° 02' 15.72"	0.2	3,523.7	18.3	PROVIDE OL
81923	TRANSITIONAL	BUSH	N34° 43' 57.64"	W112° 02' 08.15"	4.6	3,536.8		TRIM/REMOVE
81931	TRANSITIONAL	BUSH	N34° 43' 57.61"	W112° 02' 08.29"	6.3	3,536.8		TRIM/REMOVE
81939	TRANSITIONAL	MISC_UTIL	N34° 43' 57.18"	W112° 02' 08.14"	5.7	3,535.7	3.6	PROVIDE OL
81947	TRANSITIONAL	ELEC_BOX	N34° 43' 57.25"	W112° 02' 08.15"	4.8	3,535.0	2.8	REMOVE/LOWER/PROVIDE OL
82873	TRANSITIONAL	TREE	N34° 43' 13.32"	W112° 01' 54.16"	3.1	3,629.2		TRIM/REMOVE
83097	TRANSITIONAL	POLE	N34° 43' 17.99"	W112° 01' 55.76"	6.7	3,606.4	32.9	REMOVE/LOWER/PROVIDE OL
83169	TRANSITIONAL	HANGAR	N34° 43' 59.30"	W112° 02' 19.03"	2.1	3,562.0	24.5	PROVIDE OL
83185	TRANSITIONAL	HANGAR	N34° 44' 01.85"	W112° 02' 20.38"	4.9	3,561.8	28.6	PROVIDE OL
83201	TRANSITIONAL	HANGAR	N34° 44' 01.96"	W112° 02' 18.96"	4.1	3,545.2	13.0	PROVIDE OL
83225	TRANSITIONAL	FLAGPOLE	N34° 44' 05.83"	W112° 02' 21.99"	12.8	3,559.8	30.9	REMOVE/LOWER/PROVIDE OL
83241	TRANSITIONAL	POLE_LIGHT	N34° 44' 06.34"	W112° 02' 21.68"	3.3	3,543.6	17.4	REMOVE/LOWER/PROVIDE OL
83249	TRANSITIONAL	STREET_SIGN	N34° 44' 09.02"	W112° 02' 22.21"	1.2	3,530.6	12.1	REMOVE/LOWER/PROVIDE OL
83257	TRANSITIONAL	POLE_UTIL	N34° 44' 06.79"	W112° 02' 23.94"	6.6	3,567.8	43.6	REMOVE/LOWER/PROVIDE OL
83545	TRANSITIONAL	TREE	N34° 44' 06.23"	W112° 02' 22.12"	12.7	3,558.4		TRIM/REMOVE
83553	TRANSITIONAL	TREE	N34° 44' 05.75"	W112° 02' 22.29"	2.6	3,553.3		TRIM/REMOVE
83561	TRANSITIONAL	TREE	N34° 44' 05.86"	W112° 02' 22.50"	2.8	3,554.9		TRIM/REMOVE
83569	TRANSITIONAL	TREE	N34° 44' 05.75"	W112° 02' 22.73"	1.4	3,556.7		TRIM/REMOVE
83577	TRANSITIONAL	TREE	N34° 44' 05.44"	W112° 02' 22.87"	1.9	3,560.7		TRIM/REMOVE
83625	TRANSITIONAL	TREE	N34° 43' 50.99"	W112° 02' 13.97"	2.2	3,564.7		TRIM/REMOVE
83633	TRANSITIONAL	TREE	N34° 43' 51.30"	W112° 02' 13.51"	9.1	3,564.5		TRIM/REMOVE
83649	TRANSITIONAL	TREE	N34° 43' 50.11"	W112° 02' 13.25"	4.9	3,565.7		TRIM/REMOVE
83657	TRANSITIONAL	TREE	N34° 43' 49.25"	W112° 02' 12.24"	10.3	3,566.1		TRIM/REMOVE
83665	TRANSITIONAL	TREE	N34° 43' 49.07"	W112° 02' 12.45"	4.4	3,563.7		TRIM/REMOVE
83673	TRANSITIONAL	DIRT_PILE	N34° 43' 47.41"	W112° 02' 11.32"	2.8	3,561.3	4.3	REMOVE/LOWER/PROVIDE OL
83721	TRANSITIONAL	SCRUB	N34° 43' 51.38"	W112° 02' 13.23"	5.6	3,557.4		TRIM/REMOVE
83729	TRANSITIONAL	SCRUB	N34° 43' 51.43"	W112° 02' 13.49"	2.3	3,556.6		TRIM/REMOVE
83737	TRANSITIONAL	SCRUB	N34° 43' 50.73"	W112° 02' 13.45"	1.0	3,559.7		TRIM/REMOVE
83745	TRANSITIONAL	SCRUB	N34° 43' 50.17"	W112° 02' 12.81"	5.3	3,560.9		TRIM/REMOVE
83753	TRANSITIONAL	SCRUB	N34° 43' 50.07"	W112° 02' 12.74"	5.9	3,561.4		TRIM/REMOVE
83761	TRANSITIONAL	SCRUB	N34° 43' 50.01"	W112° 02' 12.93"	3.6	3,561.6		TRIM/REMOVE
83769	TRANSITIONAL	SCRUB	N34° 43' 49.71"	W112° 02' 12.54"	4.8	3,560.7		TRIM/REMOVE
83777	TRANSITIONAL	SCRUB	N34° 43' 49.82"	W112° 02' 12.53"	2.7	3,557.6		TRIM/REMOVE
83785	TRANSITIONAL	SCRUB	N34° 43' 49.43"	W112° 02' 12.52"	3.3	3,560.8		TRIM/REMOVE
83793	TRANSITIONAL	SCRUB	N34° 43' 49.27"	W112° 02' 12.47"	1.8	3,559.8		TRIM/REMOVE
83801	TRANSITIONAL	SCRUB	N34° 43' 48.90"	W112° 02' 12.37"	1.1	3,560.6		TRIM/REMOVE
83809	TRANSITIONAL	SCRUB	N34° 43' 49.83"	W112° 02' 12.38"	6.0	3,559.2		TRIM/REMOVE
83817	TRANSITIONAL	SCRUB	N34° 43' 49.95"	W112° 02' 12.14"	8.8	3,558.5		TRIM/REMOVE
83825	TRANSITIONAL	SCRUB	N34° 43' 51.62"	W112° 02' 12.19"	16.6	3,555.3		TRIM/REMOVE
83833	TRANSITIONAL	SCRUB	N34° 43' 51.63"	W112° 02' 12.40"	13.4	3,554.3		TRIM/REMOVE
83841	TRANSITIONAL	GROUND	N34° 43' 51.51"	W112° 02' 12.89"	5.5	3,552.6		PROVIDE OL
83849	TRANSITIONAL	GROUND	N34° 43' 50.40"	W112° 02' 11.51"	11.5	3,551.2		PROVIDE OL
83857	TRANSITIONAL	GROUND	N34° 43' 48.53"	W112° 02' 10.74"	9.9	3,554.1		PROVIDE OL
83865	TRANSITIONAL	SCRUB	N34° 43' 42.61"	W112° 02' 07.50"	0.4	3,550.2		TRIM/REMOVE
83873	TRANSITIONAL	SCRUB	N34° 43' 42.71"	W112° 02' 07.55"	0.7	3,550.3		TRIM/REMOVE
83881	TRANSITIONAL	SCRUB	N34° 43' 42.78"	W112° 02' 07.61"	2.0	3,551.8		TRIM/REMOVE
83889	TRANSITIONAL	SCRUB	N34° 43' 42.99"	W112° 02' 07.71"	1.3	3,550.7		TRIM/REMOVE
83897	TRANSITIONAL	TREE	N34° 43' 43.21"	W112° 02' 07.75"	7.1	3,555.5		TRIM/REMOVE
83905	TRANSITIONAL	TREE	N34° 43' 42.98"	W112° 02' 07.81"	3.8	3,554.4		TRIM/REMOVE
83913	TRANSITIONAL	TREE	N34° 43' 43.60"	W112° 02' 08.03"	7.0	3,555.8		TRIM/REMOVE
83921	TRANSITIONAL	TREE	N34° 43' 43.51"	W112° 02' 08.03"	8.1	3,557.4		TRIM/REMOVE
83929	TRANSITIONAL	TREE	N34° 43' 43.67"	W112° 02' 08.02"	9.3	3,557.4		TRIM/REMOVE
83937	TRANSITIONAL	TREE	N34° 43' 43.54"	W112° 02' 08.22"	6.6	3,557.8		TRIM/REMOVE
83945	TRANSITIONAL	TREE	N34° 43' 44.19"	W112° 02' 08.73"	1.9	3,554.2		TRIM/REMOVE
84041	TRANSITIONAL	TREE	N34° 43' 41.46"	W112° 02' 07.89"	2.2	3,564.5		TRIM/REMOVE
84169	TRANSITIONAL	TREE	N34° 43' 40.42"	W112° 02' 06.56"	0.5	3,555.2		TRIM/REMOVE
84177	TRANSITIONAL	TREE	N34° 43' 40.27"	W112° 02' 05.90"	3.6	3,551.9		TRIM/REMOVE
84185	TRANSITIONAL	TREE	N34° 43' 39.79"	W112° 02' 05.78"	3.6	3,553.9		TRIM/REMOVE
84193	TRANSITIONAL	TREE	N34° 43' 39.86"	W112° 02' 05.63"	8.9	3,557.0		TRIM/REMOVE
84201	TRANSITIONAL	TREE	N34° 43' 39.93"	W112° 02' 05.38"	10.3	3,555.2		TRIM/REMOVE
84209	TRANSITIONAL	TREE	N34° 43' 39.79"	W112° 02' 05.44"	10.3	3,556.8		TRIM/REMOVE
84217	TRANSITIONAL	TREE	N34° 43' 39.68"	W112° 02' 05.75"	4.5	3,555.3		TRIM/REMOVE
84225	TRANSITIONAL	TREE	N34° 43' 39.25"	W112° 02' 05.59"	3.8	3,555.8		TRIM/REMOVE
84241	TRANSITIONAL	TREE	N34° 43' 39.42"	W112° 02' 05.59"	1.3	3,552.2		TRIM/REMOVE
84249	TRANSITIONAL	TREE	N34° 43' 39.35"	W112° 02' 05.34"	7.3	3,555.7		TRIM/REMOVE
84257	TRANSITIONAL	TREE	N34° 43' 39.50"	W112° 02' 05.40"	5.6	3,553.8		TRIM/REMOVE
84265	TRANSITIONAL	TREE	N34° 43' 39.63"	W112° 02' 05.29"	7.8	3,553.8		TRIM/REMOVE
84273	TRANSITIONAL	TREE	N34° 43' 39.58"	W112° 02' 05.15"	7.8	3,552.4		TRIM/REMOVE
84281	TRANSITIONAL	TREE	N34° 43' 39.29"	W112° 02' 05.25"	6.8	3,554.7		TRIM/REMOVE
84289	TRANSITIONAL	TREE	N34° 43' 38.81"	W112° 02' 05.31"	3.9	3,555.9		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MS	OBSTRUCTION ELEVATION (AG	PROPOSED DISPOSITION
TRANSITIONAL SURFACE PENETRATION GROUP *(CONT.)*								
84297	TRANSITIONAL	TREE	N34° 43' 38.97"	W112° 02' 05.45"	3.0	3,555.4		TRIM/REMOVE
84305	TRANSITIONAL	TREE	N34° 43' 38.41"	W112° 02' 05.24"	2.1	3,556.2		TRIM/REMOVE
84313	TRANSITIONAL	TREE	N34° 43' 38.28"	W112° 02' 04.54"	11.7	3,558.7		TRIM/REMOVE
84321	TRANSITIONAL	TREE	N34° 43' 38.15"	W112° 02' 04.56"	6.5	3,554.7		TRIM/REMOVE
84329	TRANSITIONAL	TREE	N34° 43' 38.06"	W112° 02' 04.75"	6.9	3,557.9		TRIM/REMOVE
84337	TRANSITIONAL	TREE	N34° 43' 38.13"	W112° 02' 04.82"	5.1	3,556.3		TRIM/REMOVE
84345	TRANSITIONAL	TREE	N34° 43' 37.88"	W112° 02' 04.59"	5.0	3,555.6		TRIM/REMOVE
84353	TRANSITIONAL	TREE	N34° 43' 37.80"	W112° 02' 05.04"	0.4	3,556.6		TRIM/REMOVE
84377	TRANSITIONAL	TREE	N34° 43' 38.06"	W112° 02' 05.37"	1.4	3,559.5		TRIM/REMOVE
84385	TRANSITIONAL	TREE	N34° 43' 38.20"	W112° 02' 05.39"	2.0	3,559.4		TRIM/REMOVE
84401	TRANSITIONAL	TREE	N34° 43' 36.59"	W112° 02' 04.53"	7.5	3,566.4		TRIM/REMOVE
84409	TRANSITIONAL	TREE	N34° 43' 36.60"	W112° 02' 04.61"	5.9	3,565.8		TRIM/REMOVE
84417	TRANSITIONAL	TREE	N34° 43' 35.45"	W112° 02' 04.49"	15.9	3,582.8		TRIM/REMOVE
84425	TRANSITIONAL	TREE	N34° 43' 35.49"	W112° 02' 04.75"	14.8	3,584.5		TRIM/REMOVE
84433	TRANSITIONAL	TREE	N34° 43' 35.42"	W112° 02' 04.66"	12.1	3,581.1		TRIM/REMOVE
84441	TRANSITIONAL	TREE	N34° 43' 35.32"	W112° 02' 04.60"	12.0	3,581.1		TRIM/REMOVE
84449	TRANSITIONAL	TREE	N34° 43' 35.42"	W112° 02' 05.33"	9.6	3,586.4		TRIM/REMOVE
84457	TRANSITIONAL	TREE	N34° 43' 35.51"	W112° 02' 05.70"	8.2	3,588.5		TRIM/REMOVE
84465	TRANSITIONAL	TREE	N34° 43' 35.44"	W112° 02' 05.60"	4.5	3,584.3		TRIM/REMOVE
84473	TRANSITIONAL	TREE	N34° 43' 35.20"	W112° 02' 05.52"	6.9	3,587.3		TRIM/REMOVE
84481	TRANSITIONAL	TREE	N34° 43' 35.14"	W112° 02' 05.63"	5.6	3,587.8		TRIM/REMOVE
84489	TRANSITIONAL	TREE	N34° 43' 35.20"	W112° 02' 05.82"	6.4	3,590.3		TRIM/REMOVE
84497	TRANSITIONAL	TREE	N34° 43' 35.16"	W112° 02' 05.99"	5.2	3,591.4		TRIM/REMOVE
84505	TRANSITIONAL	TREE	N34° 43' 35.36"	W112° 02' 05.94"	1.0	3,585.2		TRIM/REMOVE
84585	TRANSITIONAL	TREE	N34° 43' 35.83"	W112° 02' 05.66"	6.0	3,583.6		TRIM/REMOVE
84617	TRANSITIONAL	TREE	N34° 43' 36.13"	W112° 02' 05.27"	3.7	3,574.5		TRIM/REMOVE
84625	TRANSITIONAL	TREE	N34° 43' 36.25"	W112° 02' 05.35"	1.6	3,572.5		TRIM/REMOVE
84649	TRANSITIONAL	TREE	N34° 43' 35.05"	W112° 02' 04.21"	13.9	3,580.4		TRIM/REMOVE
84657	TRANSITIONAL	TREE	N34° 43' 34.90"	W112° 02' 04.23"	10.2	3,578.0		TRIM/REMOVE
84665	TRANSITIONAL	TREE	N34° 43' 35.01"	W112° 02' 04.32"	10.8	3,578.9		TRIM/REMOVE
84673	TRANSITIONAL	TREE	N34° 43' 34.96"	W112° 02' 04.13"	11.5	3,577.8		TRIM/REMOVE
84681	TRANSITIONAL	TREE	N34° 43' 34.46"	W112° 02' 04.26"	11.0	3,582.5		TRIM/REMOVE
84689	TRANSITIONAL	TREE	N34° 43' 34.63"	W112° 02' 04.45"	11.5	3,584.0		TRIM/REMOVE
84697	TRANSITIONAL	TREE	N34° 43' 34.53"	W112° 02' 04.83"	5.5	3,582.9		TRIM/REMOVE
84705	TRANSITIONAL	TREE	N34° 43' 34.70"	W112° 02' 04.91"	5.8	3,582.9		TRIM/REMOVE
84713	TRANSITIONAL	TREE	N34° 43' 34.78"	W112° 02' 05.10"	6.4	3,585.2		TRIM/REMOVE
84721	TRANSITIONAL	TREE	N34° 43' 34.90"	W112° 02' 05.15"	5.5	3,584.1		TRIM/REMOVE
84729	TRANSITIONAL	TREE	N34° 43' 34.89"	W112° 02' 05.33"	4.2	3,584.8		TRIM/REMOVE
84737	TRANSITIONAL	TREE	N34° 43' 34.69"	W112° 02' 05.41"	2.5	3,585.4		TRIM/REMOVE
84745	TRANSITIONAL	TREE	N34° 43' 34.82"	W112° 02' 05.60"	1.6	3,585.9		TRIM/REMOVE
84753	TRANSITIONAL	TREE	N34° 43' 34.90"	W112° 02' 05.86"	0.0	3,586.7		TRIM/REMOVE
84769	TRANSITIONAL	TREE	N34° 43' 34.66"	W112° 02' 05.51"	1.4	3,585.8		TRIM/REMOVE
84897	TRANSITIONAL	TREE	N34° 43' 35.78"	W112° 02' 05.35"	1.4	3,575.8		TRIM/REMOVE
84905	TRANSITIONAL	TREE	N34° 43' 35.76"	W112° 02' 05.25"	2.2	3,575.6		TRIM/REMOVE
84953	TRANSITIONAL	TREE	N34° 43' 39.56"	W112° 02' 05.77"	1.1	3,553.1		TRIM/REMOVE
84961	TRANSITIONAL	TREE	N34° 43' 39.62"	W112° 02' 05.64"	1.9	3,551.8		TRIM/REMOVE
84969	TRANSITIONAL	TREE	N34° 43' 39.49"	W112° 02' 05.50"	1.8	3,551.2		TRIM/REMOVE
85009	TRANSITIONAL	SCRUB	N34° 43' 43.07"	W112° 02' 07.13"	7.0	3,549.3		TRIM/REMOVE
85017	TRANSITIONAL	TREE	N34° 43' 44.34"	W112° 02' 07.90"	13.9	3,556.0		TRIM/REMOVE
85025	TRANSITIONAL	TREE	N34° 43' 44.39"	W112° 02' 07.95"	12.5	3,554.7		TRIM/REMOVE
85033	TRANSITIONAL	TREE	N34° 43' 44.30"	W112° 02' 08.17"	8.7	3,554.1		TRIM/REMOVE
85041	TRANSITIONAL	TREE	N34° 43' 44.37"	W112° 02' 08.46"	4.0	3,552.1		TRIM/REMOVE
85049	TRANSITIONAL	TREE	N34° 43' 44.80"	W112° 02' 08.96"	3.3	3,553.9		TRIM/REMOVE
85057	TRANSITIONAL	TREE	N34° 43' 44.43"	W112° 02' 08.68"	2.7	3,552.8		TRIM/REMOVE
85065	TRANSITIONAL	TREE	N34° 43' 46.56"	W112° 02' 10.05"	7.0	3,557.3		TRIM/REMOVE
85073	TRANSITIONAL	TREE	N34° 43' 46.85"	W112° 02' 09.97"	9.6	3,557.1		TRIM/REMOVE
85081	TRANSITIONAL	TREE	N34° 43' 46.73"	W112° 02' 09.87"	9.5	3,556.7		TRIM/REMOVE
85089	TRANSITIONAL	TREE	N34° 43' 47.46"	W112° 02' 10.09"	13.5	3,558.1		TRIM/REMOVE
85097	TRANSITIONAL	SCRUB	N34° 43' 47.27"	W112° 02' 10.20"	9.3	3,556.4		TRIM/REMOVE
85105	TRANSITIONAL	SCRUB	N34° 43' 47.49"	W112° 02' 10.20"	10.8	3,556.4		TRIM/REMOVE
85113	TRANSITIONAL	SCRUB	N34° 43' 47.37"	W112° 02' 10.15"	10.0	3,555.7		TRIM/REMOVE
85121	TRANSITIONAL	SCRUB	N34° 43' 47.51"	W112° 02' 10.34"	11.8	3,558.7		TRIM/REMOVE
85129	TRANSITIONAL	SCRUB	N34° 43' 47.67"	W112° 02' 10.47"	11.4	3,558.7		TRIM/REMOVE
85137	TRANSITIONAL	SCRUB	N34° 43' 47.64"	W112° 02' 10.64"	9.7	3,559.1		TRIM/REMOVE
85145	TRANSITIONAL	SCRUB	N34° 43' 47.53"	W112° 02' 10.58"	8.0	3,557.5		TRIM/REMOVE
85153	TRANSITIONAL	SCRUB	N34° 43' 47.81"	W112° 02' 10.40"	13.2	3,558.6		TRIM/REMOVE
85161	TRANSITIONAL	SCRUB	N34° 43' 47.74"	W112° 02' 10.26"	14.1	3,558.5		TRIM/REMOVE
85169	TRANSITIONAL	SCRUB	N34° 43' 47.96"	W112° 02' 10.29"	13.1	3,556.4		TRIM/REMOVE
85177	TRANSITIONAL	SCRUB	N34° 43' 47.12"	W112° 02' 10.04"	9.1	3,555.4		TRIM/REMOVE
85185	TRANSITIONAL	SCRUB	N34° 43' 47.23"	W112° 02' 10.03"	9.2	3,554.7		TRIM/REMOVE
85193	TRANSITIONAL	SCRUB	N34° 43' 47.04"	W112° 02' 10.13"	6.3	3,554.2		TRIM/REMOVE
85201	TRANSITIONAL	SCRUB	N34° 43' 47.07"	W112° 02' 09.78"	11.1	3,554.9		TRIM/REMOVE
85209	TRANSITIONAL	SCRUB	N34° 43' 47.29"	W112° 02' 09.62"	14.7	3,555.2		TRIM/REMOVE
85217	TRANSITIONAL	SCRUB	N34° 43' 46.73"	W112° 02' 09.59"	10.5	3,554.6		TRIM/REMOVE
85225	TRANSITIONAL	SCRUB	N34° 43' 46.68"	W112° 02' 09.63"	9.0	3,553.8		TRIM/REMOVE
85233	TRANSITIONAL	SCRUB	N34° 43' 46.52"	W112° 02' 09.60"	8.2	3,553.8		TRIM/REMOVE
85241	TRANSITIONAL	SCRUB	N34° 43' 46.39"	W112° 02' 09.75"	5.1	3,553.3		TRIM/REMOVE
85249	TRANSITIONAL	SCRUB	N34° 43' 46.43"	W112° 02' 09.33"	10.2	3,553.4		TRIM/REMOVE
85257	TRANSITIONAL	SCRUB	N34° 43' 46.72"	W112° 02' 09.35"	11.1	3,552.6		TRIM/REMOVE

NOTES

1. SURVEY PERFORMED JULY 2020.
2. PART 77 SURFACES BASED ON 14 CFR PART 77.
3. PART 77 APPROACH SURFACES SHOWN ON SHEET 34 - INNER PORTION OF THE APPROACH SURFACE DRAWING; PART 77 APPROACH SURFACE OBSTRUCTIONS LISTED ON SHEETS 35-36.
4. TRAVERSEWAY ELEVATIONS INCLUDE THE FOLLOWING ADJUSTMENTS: PRIVATE ROADS: 10', PUBLIC ROADS: 15'. NO INTERSTATE HIGHWAYS OR RAILROADS ARE LOCATED IN THE IMMEDIATE VICINITY OF THE AIRPORT.
5. SURVEY IDENTIFIED A TOTAL OF 6,298 OBSTRUCTIONS TO PART 77 SURFACES, NOT INCLUDING PART 77 APPROACH SURFACES. OBSTRUCTIONS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT TOP 2% OF PENETRATIONS TO EACH PART 77 SURFACE.
6. OBSTRUCTION GROUPS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT APPROXIMATE LOCATION OF ALL OBSTRUCTIONS. COMPREHENSIVE LISTS OF OBSTRUCTIONS TO EACH PART 77 SURFACE, NOT INCLUDING PART 77 APPROACH SURFACES, ARE INCLUDED ON SHEETS 7-33.
7. OBSTRUCTION DESCRIPTIONS ARE GROUPED IN THE SUMMARY TABLE ON SHEET 6 - AIRPORT AIRSPACE DRAWING PER THE FOLLOWING: VEGETATION = BUSH, SCRUB, TREE; GROUND = GROUND; BUILDINGS/HANGARS = BUILDING, HANGAR; POLES/TOWERS = ANTENNA, BEACON, POLE, POLE_LIGHT, POLE_UTIL, POST, TRANSMISSION_PYLON, VERTICAL_POINT; NAVAIDS = PAPI, PAPI_CONTROL_BOX, REIL, SIGN, WINDSOCK; GROUND TRANSPORTATION = PARKING_LOT, ROAD - PRIVATE, ROAD - PUBLIC, STREET SIGN; UTILITY INFRASTRUCTURE = A/G PIPE, DAM, ELEC_BOX, MISC_UTIL, SOLAR_PANELS, TANK, TRANSFORMER; FENCE = FENCE, GATE; OTHER = CANOPY, DIRT_PILE, WALL
8. ALL HEIGHTS SHOWN IN FEET.
9. OBSTRUCTION HEIGHT ABOVE GROUND LEVEL PROVIDED WHERE AVAILABLE.
10. DEFINITIONS: PEN = PENETRATION; MSL = MEAN SEA LEVEL; AGL = ABOVE GROUND LEVEL; OL = OBSTRUCTION LIGHTING; DNH = DETERMINATION OF NO HAZARD

NO.	DATE	REVISIONS	BY	APPR.
5				
4				
3				
2				
1				

Kimley»Horn

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COTTONWOOD MUNICIPAL AIRPORT
COTTONWOOD, AZ

AIRPORT AIRSPACE DRAWING - PART 77 SURFACE PENETRATION TABLES (9 OF 27)

JOB NO. 291447000	DRAWN KH	CHECKED CBW	SHEET 15 OF 40
DATE: DECEMBER 2022	DESIGNED JTC	APPROVED CBW	

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
TRANSITIONAL SURFACE PENETRATION GROUP *(CONT.)*								
85265	TRANSITIONAL	SCRUB	N34° 43' 46.10"	W112° 02' 09.57"	5.2	3,553.4		TRIM/REMOVE
85273	TRANSITIONAL	SCRUB	N34° 43' 45.83"	W112° 02' 09.29"	5.0	3,552.0		TRIM/REMOVE
85281	TRANSITIONAL	SCRUB	N34° 43' 45.76"	W112° 02' 09.53"	2.2	3,552.3		TRIM/REMOVE
85289	TRANSITIONAL	SCRUB	N34° 43' 45.63"	W112° 02' 09.42"	2.9	3,552.8		TRIM/REMOVE
85297	TRANSITIONAL	SCRUB	N34° 43' 45.48"	W112° 02' 09.46"	2.6	3,553.9		TRIM/REMOVE
85305	TRANSITIONAL	SCRUB	N34° 43' 45.31"	W112° 02' 09.35"	2.4	3,553.8		TRIM/REMOVE
85313	TRANSITIONAL	SCRUB	N34° 43' 45.39"	W112° 02' 09.29"	3.3	3,553.4		TRIM/REMOVE
85321	TRANSITIONAL	SCRUB	N34° 43' 45.28"	W112° 02' 09.11"	2.8	3,551.7		TRIM/REMOVE
85329	TRANSITIONAL	SCRUB	N34° 43' 45.22"	W112° 02' 09.08"	3.5	3,552.4		TRIM/REMOVE
85337	TRANSITIONAL	SCRUB	N34° 43' 45.13"	W112° 02' 08.98"	3.3	3,551.8		TRIM/REMOVE
85345	TRANSITIONAL	SCRUB	N34° 43' 44.92"	W112° 02' 08.81"	2.9	3,551.0		TRIM/REMOVE
85353	TRANSITIONAL	SCRUB	N34° 43' 44.90"	W112° 02' 08.63"	4.9	3,551.1		TRIM/REMOVE
85361	TRANSITIONAL	SCRUB	N34° 43' 44.81"	W112° 02' 08.66"	4.6	3,551.8		TRIM/REMOVE
85369	TRANSITIONAL	SCRUB	N34° 43' 44.72"	W112° 02' 08.72"	1.9	3,550.3		TRIM/REMOVE
85377	TRANSITIONAL	SCRUB	N34° 43' 44.67"	W112° 02' 08.63"	2.6	3,550.5		TRIM/REMOVE
85385	TRANSITIONAL	SCRUB	N34° 43' 44.74"	W112° 02' 08.52"	3.7	3,549.9		TRIM/REMOVE
85393	TRANSITIONAL	SCRUB	N34° 43' 44.57"	W112° 02' 08.64"	1.5	3,550.1		TRIM/REMOVE
85401	TRANSITIONAL	TREE	N34° 43' 44.11"	W112° 02' 07.95"	8.4	3,552.6		TRIM/REMOVE
85409	TRANSITIONAL	TREE	N34° 43' 44.08"	W112° 02' 08.37"	7.7	3,556.8		TRIM/REMOVE
85417	TRANSITIONAL	TREE	N34° 43' 43.97"	W112° 02' 08.36"	5.2	3,554.9		TRIM/REMOVE
85425	TRANSITIONAL	TREE	N34° 43' 44.02"	W112° 02' 08.08"	7.2	3,553.4		TRIM/REMOVE
85433	TRANSITIONAL	SCRUB	N34° 43' 45.22"	W112° 02' 08.31"	8.8	3,549.2		TRIM/REMOVE
85441	TRANSITIONAL	SCRUB	N34° 43' 45.03"	W112° 02' 09.67"	0.3	3,557.2		TRIM/REMOVE
85465	TRANSITIONAL	SCRUB	N34° 43' 45.80"	W112° 02' 10.09"	2.7	3,558.9		TRIM/REMOVE
85473	TRANSITIONAL	SCRUB	N34° 43' 46.10"	W112° 02' 10.25"	0.9	3,556.7		TRIM/REMOVE
85481	TRANSITIONAL	SCRUB	N34° 43' 46.37"	W112° 02' 10.39"	2.0	3,557.5		TRIM/REMOVE
85489	TRANSITIONAL	SCRUB	N34° 43' 46.27"	W112° 02' 09.06"	11.7	3,553.0		TRIM/REMOVE
85497	TRANSITIONAL	SCRUB	N34° 43' 46.19"	W112° 02' 09.30"	8.4	3,553.0		TRIM/REMOVE
85513	TRANSITIONAL	SCRUB	N34° 43' 46.63"	W112° 02' 09.86"	5.7	3,553.5		TRIM/REMOVE
85521	TRANSITIONAL	SCRUB	N34° 43' 48.94"	W112° 02' 10.67"	17.4	3,558.1		TRIM/REMOVE
85529	TRANSITIONAL	SCRUB	N34° 43' 48.95"	W112° 02' 10.76"	16.3	3,557.8		TRIM/REMOVE
85537	TRANSITIONAL	SCRUB	N34° 43' 49.12"	W112° 02' 10.71"	19.0	3,558.8		TRIM/REMOVE
85545	TRANSITIONAL	SCRUB	N34° 43' 49.15"	W112° 02' 10.84"	17.0	3,557.9		TRIM/REMOVE
85553	TRANSITIONAL	SCRUB	N34° 43' 49.26"	W112° 02' 11.02"	16.4	3,558.7		TRIM/REMOVE
85561	TRANSITIONAL	SCRUB	N34° 43' 49.48"	W112° 02' 11.32"	13.7	3,557.7		TRIM/REMOVE
85569	TRANSITIONAL	SCRUB	N34° 43' 49.63"	W112° 02' 11.31"	14.4	3,557.3		TRIM/REMOVE
85577	TRANSITIONAL	SCRUB	N34° 43' 49.69"	W112° 02' 11.14"	14.4	3,555.0		TRIM/REMOVE
85585	TRANSITIONAL	SCRUB	N34° 43' 49.62"	W112° 02' 10.80"	17.1	3,554.4		TRIM/REMOVE
85593	TRANSITIONAL	SCRUB	N34° 43' 49.31"	W112° 02' 12.07"	7.9	3,561.4		TRIM/REMOVE
85601	TRANSITIONAL	SCRUB	N34° 43' 48.67"	W112° 02' 11.70"	8.2	3,562.0		TRIM/REMOVE
85609	TRANSITIONAL	SCRUB	N34° 43' 49.02"	W112° 02' 12.58"	0.1	3,561.1		TRIM/REMOVE
85617	TRANSITIONAL	SCRUB	N34° 43' 49.23"	W112° 02' 11.46"	11.9	3,559.2		TRIM/REMOVE
85649	TRANSITIONAL	TREE	N34° 43' 42.13"	W112° 02' 07.33"	5.0	3,556.3		TRIM/REMOVE
85657	TRANSITIONAL	TREE	N34° 43' 42.33"	W112° 02' 07.50"	4.6	3,556.3		TRIM/REMOVE
85673	TRANSITIONAL	TREE	N34° 43' 41.48"	W112° 02' 07.09"	0.4	3,553.4		TRIM/REMOVE
85705	TRANSITIONAL	TREE	N34° 43' 42.03"	W112° 02' 08.56"	1.0	3,566.7		TRIM/REMOVE
85721	TRANSITIONAL	SCRUB	N34° 43' 49.23"	W112° 02' 11.29"	13.8	3,559.1		TRIM/REMOVE
85729	TRANSITIONAL	SCRUB	N34° 43' 49.33"	W112° 02' 12.37"	4.6	3,561.2		TRIM/REMOVE
85737	TRANSITIONAL	GROUND	N34° 43' 52.03"	W112° 02' 12.23"	10.5	3,546.7		PROVIDE OL
85745	TRANSITIONAL	GROUND	N34° 43' 49.20"	W112° 02' 10.37"	17.4	3,552.8		PROVIDE OL
85761	TRANSITIONAL	SCRUB	N34° 43' 41.41"	W112° 02' 06.85"	0.0	3,551.0		TRIM/REMOVE
85785	TRANSITIONAL	SCRUB	N34° 43' 40.11"	W112° 02' 05.85"	0.4	3,549.2		TRIM/REMOVE
85817	TRANSITIONAL	SCRUB	N34° 43' 40.45"	W112° 02' 06.15"	0.1	3,550.0		TRIM/REMOVE
85825	TRANSITIONAL	SCRUB	N34° 43' 40.36"	W112° 02' 06.03"	0.7	3,549.8		TRIM/REMOVE
85873	TRANSITIONAL	SCRUB	N34° 43' 38.98"	W112° 02' 05.28"	0.5	3,550.9		TRIM/REMOVE
85921	TRANSITIONAL	SCRUB	N34° 43' 37.65"	W112° 02' 04.58"	0.3	3,552.3		TRIM/REMOVE
85929	TRANSITIONAL	SCRUB	N34° 43' 37.77"	W112° 02' 04.66"	1.0	3,553.1		TRIM/REMOVE
85937	TRANSITIONAL	SCRUB	N34° 43' 37.84"	W112° 02' 04.52"	2.7	3,552.6		TRIM/REMOVE
85985	TRANSITIONAL	SCRUB	N34° 43' 37.34"	W112° 02' 04.43"	1.2	3,553.8		TRIM/REMOVE
85993	TRANSITIONAL	SCRUB	N34° 43' 37.19"	W112° 02' 04.44"	0.0	3,553.8		TRIM/REMOVE
86001	TRANSITIONAL	SCRUB	N34° 43' 36.96"	W112° 02' 04.69"	0.5	3,558.7		TRIM/REMOVE
86049	TRANSITIONAL	SCRUB	N34° 43' 36.78"	W112° 02' 04.18"	5.6	3,559.3		TRIM/REMOVE
86057	TRANSITIONAL	SCRUB	N34° 43' 36.99"	W112° 02' 03.81"	11.4	3,559.3		TRIM/REMOVE
86065	TRANSITIONAL	SCRUB	N34° 43' 36.01"	W112° 02' 03.55"	20.2	3,572.2		TRIM/REMOVE
86073	TRANSITIONAL	SCRUB	N34° 43' 35.88"	W112° 02' 03.65"	18.0	3,572.1		TRIM/REMOVE
86081	TRANSITIONAL	SCRUB	N34° 43' 35.90"	W112° 02' 03.90"	15.3	3,572.1		TRIM/REMOVE
86089	TRANSITIONAL	SCRUB	N34° 43' 35.99"	W112° 02' 04.00"	15.7	3,573.1		TRIM/REMOVE
86097	TRANSITIONAL	SCRUB	N34° 43' 35.87"	W112° 02' 04.02"	15.1	3,573.4		TRIM/REMOVE
86105	TRANSITIONAL	SCRUB	N34° 43' 35.87"	W112° 02' 04.18"	13.5	3,573.7		TRIM/REMOVE
86113	TRANSITIONAL	SCRUB	N34° 43' 35.74"	W112° 02' 04.04"	13.6	3,573.2		TRIM/REMOVE
86121	TRANSITIONAL	SCRUB	N34° 43' 36.20"	W112° 02' 03.97"	16.1	3,571.6		TRIM/REMOVE
86129	TRANSITIONAL	SCRUB	N34° 43' 36.22"	W112° 02' 03.88"	16.8	3,571.1		TRIM/REMOVE
86137	TRANSITIONAL	SCRUB	N34° 43' 36.10"	W112° 02' 03.86"	16.6	3,571.5		TRIM/REMOVE
86145	TRANSITIONAL	SCRUB	N34° 43' 36.18"	W112° 02' 03.70"	19.1	3,571.6		TRIM/REMOVE
86153	TRANSITIONAL	SCRUB	N34° 43' 36.03"	W112° 02' 03.80"	19.0	3,573.8		TRIM/REMOVE
86161	TRANSITIONAL	TREE	N34° 43' 36.55"	W112° 02' 03.45"	22.4	3,569.3		TRIM/REMOVE
86169	TRANSITIONAL	TREE	N34° 43' 36.51"	W112° 02' 03.79"	17.9	3,569.0		TRIM/REMOVE
86177	TRANSITIONAL	TREE	N34° 43' 35.83"	W112° 02' 04.63"	9.4	3,575.1		TRIM/REMOVE
86185	TRANSITIONAL	TREE	N34° 43' 35.55"	W112° 02' 04.57"	11.3	3,578.4		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
TRANSITIONAL SURFACE PENETRATION GROUP *(CONT.)*								
86193	TRANSITIONAL	TREE	N34° 43' 35.42"	W112° 02' 05.07"	6.5	3,580.2		TRIM/REMOVE
86201	TRANSITIONAL	TREE	N34° 43' 35.55"	W112° 02' 05.60"	2.7	3,581.6		TRIM/REMOVE
86209	TRANSITIONAL	TREE	N34° 43' 34.59"	W112° 02' 05.19"	2.3	3,583.5		TRIM/REMOVE
86281	TRANSITIONAL	TREE	N34° 43' 33.95"	W112° 02' 05.00"	2.2	3,585.9		TRIM/REMOVE
86305	TRANSITIONAL	TREE	N34° 43' 33.97"	W112° 02' 04.40"	3.8	3,580.4		TRIM/REMOVE
86313	TRANSITIONAL	TREE	N34° 43' 34.15"	W112° 02' 04.25"	5.0	3,578.6		TRIM/REMOVE
86321	TRANSITIONAL	TREE	N34° 43' 34.38"	W112° 02' 04.05"	7.0	3,576.6		TRIM/REMOVE
86329	TRANSITIONAL	TREE	N34° 43' 33.95"	W112° 02' 03.60"	10.1	3,577.6		TRIM/REMOVE
86337	TRANSITIONAL	TREE	N34° 43' 33.77"	W112° 02' 03.72"	9.0	3,579.1		TRIM/REMOVE
86345	TRANSITIONAL	TREE	N34° 43' 33.72"	W112° 02' 03.50"	8.5	3,576.5		TRIM/REMOVE
86353	TRANSITIONAL	TREE	N34° 43' 33.60"	W112° 02' 03.76"	5.4	3,577.3		TRIM/REMOVE
86361	TRANSITIONAL	TREE	N34° 43' 33.62"	W112° 02' 03.86"	4.2	3,577.2		TRIM/REMOVE
86369	TRANSITIONAL	TREE	N34° 43' 33.73"	W112° 02' 03.97"	4.8	3,578.1		TRIM/REMOVE
86377	TRANSITIONAL	TREE	N34° 43' 33.92"	W112° 02' 04.06"	4.1	3,577.2		TRIM/REMOVE
86385	TRANSITIONAL	TREE	N34° 43' 33.99"	W112° 02' 03.87"	5.7	3,576.0		TRIM/REMOVE
86433	TRANSITIONAL	TREE	N34° 43' 34.52"	W112° 02' 03.89"	9.7	3,576.4		TRIM/REMOVE
86441	TRANSITIONAL	TREE	N34° 43' 34.84"	W112° 02' 03.01"	17.9	3,572.1		TRIM/REMOVE
86449	TRANSITIONAL	TREE	N34° 43' 34.78"	W112° 02' 02.83"	19.0	3,571.5		TRIM/REMOVE
86457	TRANSITIONAL	TREE	N34° 43' 34.59"	W112° 02' 02.91"	16.0	3,570.8		TRIM/REMOVE
86465	TRANSITIONAL	TREE	N34° 43' 34.57"	W112° 02' 03.39"	12.4	3,572.9		TRIM/REMOVE
86473	TRANSITIONAL	TREE	N34° 43' 33.37"	W112° 02' 02.90"	10.6	3,574.2		TRIM/REMOVE
86481	TRANSITIONAL	TREE	N34° 43' 33.11"	W112° 02' 02.53"	10.6	3,571.9		TRIM/REMOVE
86489	TRANSITIONAL	TREE	N34° 43' 32.99"	W112° 02' 02.27"	15.7	3,574.8		TRIM/REMOVE
86497	TRANSITIONAL	TREE	N34° 43' 32.81"	W112° 02' 02.14"	13.7	3,572.7		TRIM/REMOVE
86505	TRANSITIONAL	TREE	N34° 43' 32.64"	W112° 02' 02.09"	11.9	3,571.5		TRIM/REMOVE
86513	TRANSITIONAL	TREE	N34° 43' 33.03"	W112° 02' 01.93"	16.7	3,571.5		TRIM/REMOVE
86521	TRANSITIONAL	TREE	N34° 43' 33.01"	W112° 02' 02.04"	13.6	3,569.9		TRIM/REMOVE
86529	TRANSITIONAL	TREE	N34° 43' 32.92"	W112° 02' 01.70"	19.0	3,572.0		TRIM/REMOVE
86537	TRANSITIONAL	TREE	N34° 43' 33.14"	W112° 02' 01.73"	16.3	3,568.0		TRIM/REMOVE
86545	TRANSITIONAL	TREE	N34° 43' 33.33"	W112° 02' 01.93"	15.8	3,568.5		TRIM/REMOVE
86553	TRANSITIONAL	TREE	N34° 43' 33.42"	W112° 02' 02.15"	14.8	3,569.4		TRIM/REMOVE
86561	TRANSITIONAL	TREE	N34° 43' 33.22"	W112° 02' 02.30"	14.2	3,572.0		TRIM/REMOVE
86569	TRANSITIONAL	TREE	N34° 43' 33.34"	W112° 02' 02.39"	11.2	3,569.1		TRIM/REMOVE
86577	TRANSITIONAL	TREE	N34° 43' 33.84"	W112° 02' 02.73"	10.1	3,568.4		TRIM/REMOVE
86585	TRANSITIONAL	TREE	N34° 43' 34.16"	W112° 02' 02.75"	13.2	3,569.4		TRIM/REMOVE
86593	TRANSITIONAL	TREE	N34° 43' 34.32"	W112° 02' 02.31"	18.9	3,568.8		TRIM/REMOVE
86601	TRANSITIONAL	TREE	N34° 43' 34.52"	W112° 02' 02.42"	20.2	3,569.9		TRIM/REMOVE
86609	TRANSITIONAL	TREE	N34° 43' 33.34"	W112° 02' 03.45"	12.3	3,582.6		TRIM/REMOVE
86617	TRANSITIONAL	TREE	N34° 43' 33.31"	W112° 02' 03.62"	6.5	3,578.9		TRIM/REMOVE
86625	TRANSITIONAL	TREE	N34° 43' 33.45"	W112° 02' 03.62"	7.0	3,578.4		TRIM/REMOVE
86633	TRANSITIONAL	TREE	N34° 43' 33.46"	W112° 02' 03.31"	8.7	3,576.5		TRIM/REMOVE
86641	TRANSITIONAL	TREE	N34° 43' 33.29"	W112° 02' 03.74"	5.2	3,579.2		TRIM/REMOVE
86649	TRANSITIONAL	TREE	N34° 43' 33.44"	W112° 02' 03.89"	2.1	3,576.8		TRIM/REMOVE
86657	TRANSITIONAL	TREE	N34° 43' 33.12"	W112° 02' 03.67"	3.4	3,577.8		TRIM/REMOVE
86665	TRANSITIONAL	TREE	N34° 43' 33.12"	W112° 02' 03.80"	0.9	3,576.8		TRIM/REMOVE
86673	TRANSITIONAL	TREE	N34° 43' 33.11"	W112° 02' 04.17"	0.1	3,580.4		TRIM/REMOVE
86705	TRANSITIONAL	TREE	N34° 43' 32.79"	W112° 02' 03.63"	4.4	3,580.8		TRIM/REMOVE
86713	TRANSITIONAL	TREE	N34° 43' 32.76"	W112° 02' 03.22"	8.8	3,580.7		TRIM/REMOVE
86721	TRANSITIONAL	TREE	N34° 43' 32.69"	W112° 02' 02.96"	10.9	3,580.3		TRIM/REMOVE
86729	TRANSITIONAL	TREE	N34° 43' 32.28"	W112° 02' 02.90"	13.1	3,584.7		TRIM/REMOVE
86737	TRANSITIONAL	TREE	N34° 43' 32.41"	W112° 02' 02.78"	14.4	3,583.8		TRIM/REMOVE
86745	TRANSITIONAL	TREE	N34° 43' 31.87"	W112° 02' 02.62"	19.8	3,591.3		TRIM/REMOVE
86753	TRANSITIONAL	TREE	N34° 43' 31.86"	W112° 02' 02.68"	12.8	3,585.0		TRIM/REMOVE
86761	TRANSITIONAL	TREE	N34° 43' 32.05"	W112° 02' 02.50"	10.6	3,579.3		TRIM/REMOVE
86769	TRANSITIONAL	TREE	N34° 43' 32.02"	W112° 02' 03.04"	4.1	3,579.3		TRIM/REMOVE
86777	TRANSITIONAL	TREE	N34° 43' 32.09"	W112° 02' 02.94"	4.8	3,578.3		TRIM/REMOVE
86785	TRANSITIONAL	TREE	N34° 43' 32.22"	W112° 02' 03.13"	2.7	3,577.5		TRIM/REMOVE
86793	TRANSITIONAL	TREE	N34° 43' 32.45"	W112° 02' 02.97"	5.3	3,576.5		TRIM/REMOVE
86801	TRANSITIONAL	TREE	N34° 43' 32.35"	W112° 02' 02.03"	15.1	3,576.2		TRIM/REMOVE
86809	TRANSITIONAL	TREE	N34° 43' 32.46"	W112° 02' 02.08"	12.4	3,573.1		TRIM/REMOVE
86817	TRANSITIONAL	TREE	N34° 43' 32.35"	W112° 02' 01.84"	14.1	3,573.0		TRIM/REMOVE
86825	TRANSITIONAL	TREE	N34° 43' 32.29"	W112° 02' 01.51"	14.7	3,570.0		TRIM/REMOVE
86833	TRANSITIONAL	TREE	N34° 43' 32.46"	W112° 02' 01.37"	19.4	3,571.9		TRIM/REMOVE
86841	TRANSITIONAL	TREE	N34° 43' 33.30"	W112° 02' 02.10"	13.9	3,568.8		TRIM/REMOVE
86849	TRANSITIONAL	TREE	N34° 43' 32.46"	W112° 02' 03.55"	2.7	3,580.5		TRIM/REMOVE
86857	TRANSITIONAL	TREE	N34° 43' 32.42"	W112° 02' 03.35"	3.6	3,579.4		TRIM/REMOVE
86865	TRANSITIONAL	TREE	N34° 43' 32.61"	W112° 02' 03.47"	3.5	3,579.3		TRIM/REMOVE
86873	TRANSITIONAL	TREE	N34° 43' 32.26"	W112° 02' 03.43"	4.5	3,582.5		TRIM/REMOVE
86881	TRANSITIONAL	TREE	N34° 43' 32.06"	W112° 02' 03.32"	2.6	3,580.8		TRIM/REMOVE
86889	TRANSITIONAL	TREE	N34° 43' 31.69"	W112° 02' 00.94"	21.9	3,575.0		TRIM/REMOVE
86897	TRANSITIONAL	TREE	N34° 43' 31.76"	W112° 02' 01.10"	19.5	3,574.0		TRIM/REMOVE
86905	TRANSITIONAL	TREE	N34° 43' 31.74"	W112° 02' 01.19"	17.4	3,573.1		TRIM/REMOVE
86913	TRANSITIONAL	TREE	N34° 43' 31.91"	W112° 02' 01.42"	14.5	3,571.6		TRIM/REMOVE
86921	TRANSITIONAL	TREE	N34° 43' 31.49"	W112° 02' 01.47"	16.6	3,577.4		TRIM/REMOVE
86929	TRANSITIONAL	TREE	N34° 43' 31.63"	W112° 02' 01.56"	13.9	3,574.7		TRIM/REMOVE
86937	TRANSITIONAL	TREE	N34° 43' 31.38"	W112° 02' 01.09"	17.9	3,574.9		TRIM/REMOVE
86945	TRANSITIONAL	TREE	N34° 43' 31.40"	W112° 02' 00.86"	18.9	3,573.2		TRIM/REMOVE
86953	TRANSITIONAL	TREE	N34° 43' 31.59"	W112° 02' 00.79"	19.1	3,571.1		TRIM/REMOVE
86961	TRANSITIONAL	TREE	N34° 43' 31.34"	W112° 02' 00.77"	17.5	3,571.1		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
TRANSITIONAL SURFACE PENETRATION GROUP *(CONT.)*								
86969	TRANSITIONAL	TREE	N34° 43' 31.27"	W112° 02' 00.89"	17.2	3,572.8		TRIM/REMOVE
86977	TRANSITIONAL	TREE	N34° 43' 31.27"	W112° 02' 01.11"	15.5	3,573.7		TRIM/REMOVE
86985	TRANSITIONAL	TREE	N34° 43' 31.23"	W112° 02' 01.25"	15.1	3,575.3		TRIM/REMOVE
86993	TRANSITIONAL	TREE	N34° 43' 31.32"	W112° 02' 01.33"	13.7	3,574.2		TRIM/REMOVE
87001	TRANSITIONAL	TREE	N34° 43' 31.14"	W112° 02' 01.05"	13.3	3,571.8		TRIM/REMOVE
87009	TRANSITIONAL	TREE	N34° 43' 30.82"	W112° 02' 00.98"	14.6	3,574.6		TRIM/REMOVE
87017	TRANSITIONAL	TREE	N34° 43' 30.96"	W112° 02' 01.10"	12.6	3,573.0		TRIM/REMOVE
87025	TRANSITIONAL	TREE	N34° 43' 30.64"	W112° 02' 00.93"	14.4	3,575.2		TRIM/REMOVE
87033	TRANSITIONAL	TREE	N34° 43' 30.46"	W112° 02' 00.81"	13.6	3,574.2		TRIM/REMOVE
87041	TRANSITIONAL	TREE	N34° 43' 30.04"	W112° 02' 00.48"	17.7	3,577.5		TRIM/REMOVE
87049	TRANSITIONAL	TREE	N34° 43' 30.20"	W112° 02' 00.43"	15.3	3,573.3		TRIM/REMOVE
87057	TRANSITIONAL	TREE	N34° 43' 30.67"	W112° 02' 00.59"	21.4	3,577.9		TRIM/REMOVE
87065	TRANSITIONAL	TREE	N34° 43' 30.80"	W112° 02' 00.53"	17.9	3,572.7		TRIM/REMOVE
87073	TRANSITIONAL	TREE	N34° 43' 31.04"	W112° 02' 00.96"	13.8	3,572.0		TRIM/REMOVE
87081	TRANSITIONAL	TREE	N34° 43' 30.46"	W112° 02' 01.69"	6.5	3,577.4		TRIM/REMOVE
87089	TRANSITIONAL	TREE	N34° 43' 30.40"	W112° 02' 01.82"	7.8	3,580.7		TRIM/REMOVE
87097	TRANSITIONAL	TREE	N34° 43' 30.48"	W112° 02' 01.99"	8.6	3,582.9		TRIM/REMOVE
87105	TRANSITIONAL	TREE	N34° 43' 30.72"	W112° 02' 01.90"	6.7	3,578.1		TRIM/REMOVE
87113	TRANSITIONAL	TREE	N34° 43' 30.82"	W112° 02' 02.00"	9.7	3,581.7		TRIM/REMOVE
87121	TRANSITIONAL	TREE	N34° 43' 30.90"	W112° 02' 02.16"	9.9	3,583.0		TRIM/REMOVE
87129	TRANSITIONAL	TREE	N34° 43' 30.83"	W112° 02' 02.35"	7.5	3,583.4		TRIM/REMOVE
87137	TRANSITIONAL	TREE	N34° 43' 30.89"	W112° 02' 02.61"	2.5	3,581.0		TRIM/REMOVE
87145	TRANSITIONAL	TREE	N34° 43' 30.93"	W112° 02' 02.36"	2.4	3,577.7		TRIM/REMOVE
87153	TRANSITIONAL	TREE	N34° 43' 31.19"	W112° 02' 02.56"	7.9	3,583.6		TRIM/REMOVE
87161	TRANSITIONAL	TREE	N34° 43' 31.14"	W112° 02' 02.68"	3.5	3,581.0		TRIM/REMOVE
87169	TRANSITIONAL	TREE	N34° 43' 31.29"	W112° 02' 02.50"	6.8	3,581.1		TRIM/REMOVE
87177	TRANSITIONAL	TREE	N34° 43' 31.64"	W112° 02' 02.42"	6.1	3,576.9		TRIM/REMOVE
87185	TRANSITIONAL	TREE	N34° 43' 31.52"	W112° 02' 02.81"	3.6	3,579.8		TRIM/REMOVE
87209	TRANSITIONAL	TREE	N34° 43' 31.93"	W112° 02' 02.91"	1.2	3,575.6		TRIM/REMOVE
87217	TRANSITIONAL	TREE	N34° 43' 31.18"	W112° 02' 01.47"	9.7	3,572.8		TRIM/REMOVE
87225	TRANSITIONAL	TREE	N34° 43' 30.33"	W112° 02' 00.78"	12.7	3,573.9		TRIM/REMOVE
87233	TRANSITIONAL	TREE	N34° 43' 29.49"	W112° 02' 00.63"	11.2	3,576.8		TRIM/REMOVE
87241	TRANSITIONAL	TREE	N34° 43' 28.72"	W112° 02' 00.19"	10.0	3,576.2		TRIM/REMOVE
87249	TRANSITIONAL	TREE	N34° 43' 28.30"	W112° 01' 59.81"	10.0	3,574.8		TRIM/REMOVE
87257	TRANSITIONAL	TREE	N34° 43' 27.99"	W112° 01' 59.80"	9.3	3,576.2		TRIM/REMOVE
87265	TRANSITIONAL	TREE	N34° 43' 27.92"	W112° 01' 59.78"	8.2	3,575.4		TRIM/REMOVE
87273	TRANSITIONAL	TREE	N34° 43' 27.59"	W112° 01' 59.52"	11.7	3,578.3		TRIM/REMOVE
87281	TRANSITIONAL	TREE	N34° 43' 27.41"	W112° 01' 59.41"	10.0	3,576.7		TRIM/REMOVE
87289	TRANSITIONAL	TREE	N34° 43' 27.10"	W112° 01' 59.16"	12.5	3,578.5		TRIM/REMOVE
87297	TRANSITIONAL	TREE	N34° 43' 27.03"	W112° 01' 59.09"	13.3	3,579.0		TRIM/REMOVE
87305	TRANSITIONAL	TREE	N34° 43' 26.77"	W112° 01' 59.12"	13.0	3,580.9		TRIM/REMOVE
87313	TRANSITIONAL	TREE	N34° 43' 26.90"	W112° 01' 59.29"	9.5	3,578.5		TRIM/REMOVE
87321	TRANSITIONAL	TREE	N34° 43' 26.83"	W112° 02' 00.22"	1.7	3,582.3		TRIM/REMOVE
87361	TRANSITIONAL	TREE	N34° 43' 27.97"	W112° 02' 00.98"	1.0	3,582.0		TRIM/REMOVE
87385	TRANSITIONAL	TREE	N34° 43' 27.88"	W112° 02' 00.46"	3.7	3,579.3		TRIM/REMOVE
87393	TRANSITIONAL	TREE	N34° 43' 28.25"	W112° 02' 00.51"	7.7	3,581.1		TRIM/REMOVE
87401	TRANSITIONAL	TREE	N34° 43' 28.75"	W112° 02' 00.75"	6.4	3,579.0		TRIM/REMOVE
87409	TRANSITIONAL	TREE	N34° 43' 29.04"	W112° 02' 00.87"	6.5	3,578.3		TRIM/REMOVE
87417	TRANSITIONAL	TREE	N34° 43' 29.04"	W112° 02' 01.40"	0.6	3,578.6		TRIM/REMOVE
87425	TRANSITIONAL	TREE	N34° 43' 29.74"	W112° 02' 01.58"	4.0	3,579.0		TRIM/REMOVE
87433	TRANSITIONAL	TREE	N34° 43' 29.80"	W112° 02' 01.29"	6.8	3,577.9		TRIM/REMOVE
87441	TRANSITIONAL	TREE	N34° 43' 29.67"	W112° 02' 01.25"	5.9	3,577.5		TRIM/REMOVE
87449	TRANSITIONAL	TREE	N34° 43' 29.98"	W112° 02' 01.59"	4.2	3,577.5		TRIM/REMOVE
87457	TRANSITIONAL	TREE	N34° 43' 27.82"	W112° 01' 59.50"	9.2	3,573.9		TRIM/REMOVE
87465	TRANSITIONAL	TREE	N34° 43' 29.50"	W112° 02' 01.27"	3.7	3,576.9		TRIM/REMOVE
87473	TRANSITIONAL	TREE	N34° 43' 29.31"	W112° 02' 01.18"	2.5	3,576.0		TRIM/REMOVE
87481	TRANSITIONAL	TREE	N34° 43' 29.41"	W112° 02' 01.44"	0.2	3,575.9		TRIM/REMOVE
87489	TRANSITIONAL	TREE	N34° 43' 28.55"	W112° 02' 00.81"	1.6	3,576.4		TRIM/REMOVE
87505	TRANSITIONAL	TREE	N34° 43' 28.68"	W112° 02' 00.94"	0.6	3,576.0		TRIM/REMOVE
87513	TRANSITIONAL	TREE	N34° 43' 28.37"	W112° 02' 00.75"	2.6	3,578.0		TRIM/REMOVE
87521	TRANSITIONAL	TREE	N34° 43' 28.57"	W112° 02' 00.65"	4.3	3,577.1		TRIM/REMOVE
87529	TRANSITIONAL	TREE	N34° 43' 28.39"	W112° 02' 00.55"	4.7	3,577.6		TRIM/REMOVE
87537	TRANSITIONAL	TREE	N34° 43' 28.14"	W112° 02' 00.37"	5.1	3,577.7		TRIM/REMOVE
87545	TRANSITIONAL	TREE	N34° 43' 28.07"	W112° 02' 00.64"	1.3	3,577.7		TRIM/REMOVE
87553	TRANSITIONAL	TREE	N34° 43' 27.88"	W112° 02' 00.28"	6.1	3,579.5		TRIM/REMOVE
87561	TRANSITIONAL	TREE	N34° 43' 27.77"	W112° 02' 00.42"	1.1	3,577.0		TRIM/REMOVE
87569	TRANSITIONAL	TREE	N34° 43' 27.71"	W112° 02' 00.13"	5.6	3,578.6		TRIM/REMOVE
87577	TRANSITIONAL	TREE	N34° 43' 27.59"	W112° 02' 00.07"	5.8	3,579.0		TRIM/REMOVE
87585	TRANSITIONAL	TREE	N34° 43' 27.29"	W112° 02' 00.20"	1.0	3,578.0		TRIM/REMOVE
87689	TRANSITIONAL	TREE	N34° 43' 30.51"	W112° 02' 02.29"	0.9	3,578.5		TRIM/REMOVE
87697	TRANSITIONAL	TREE	N34° 43' 30.67"	W112° 02' 02.35"	2.7	3,579.8		TRIM/REMOVE
87705	TRANSITIONAL	TREE	N34° 43' 30.34"	W112° 02' 02.11"	0.5	3,577.3		TRIM/REMOVE
87713	TRANSITIONAL	TREE	N34° 43' 30.25"	W112° 02' 02.03"	0.6	3,577.0		TRIM/REMOVE
87721	TRANSITIONAL	TREE	N34° 43' 30.15"	W112° 02' 01.77"	1.4	3,575.5		TRIM/REMOVE
87833	TRANSITIONAL	TREE	N34° 43' 31.34"	W112° 02' 02.64"	2.9	3,578.4		TRIM/REMOVE
87993	TRANSITIONAL	TREE	N34° 43' 34.71"	W112° 02' 04.54"	5.8	3,578.6		TRIM/REMOVE
88001	TRANSITIONAL	TREE	N34° 43' 35.23"	W112° 02' 04.66"	8.7	3,579.2		TRIM/REMOVE
88033	TRANSITIONAL	TREE	N34° 43' 36.05"	W112° 02' 04.90"	2.0	3,569.3		TRIM/REMOVE
88041	TRANSITIONAL	TREE	N34° 43' 36.08"	W112° 02' 04.75"	3.9	3,569.2		TRIM/REMOVE

NOTES

1. SURVEY PERFORMED JULY 2020.
2. PART 77 SURFACES BASED ON 14 CFR PART 77.
3. PART 77 APPROACH SURFACES SHOWN ON SHEET 34 - INNER PORTION OF THE APPROACH SURFACE DRAWING; PART 77 APPROACH SURFACE OBSTRUCTIONS LISTED ON SHEETS 35-36.
4. TRAVERSEWAY ELEVATIONS INCLUDE THE FOLLOWING ADJUSTMENTS: PRIVATE ROADS: 10', PUBLIC ROADS: 15'. NO INTERSTATE HIGHWAYS OR RAILROADS ARE LOCATED IN THE IMMEDIATE VICINITY OF THE AIRPORT.
5. SURVEY IDENTIFIED A TOTAL OF 6,298 OBSTRUCTIONS TO PART 77 SURFACES, NOT INCLUDING PART 77 APPROACH SURFACES. OBSTRUCTIONS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT TOP 2% OF PENETRATIONS TO EACH PART 77 SURFACE.
6. OBSTRUCTION GROUPS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT APPROXIMATE LOCATION OF ALL OBSTRUCTIONS. COMPREHENSIVE LISTS OF OBSTRUCTIONS TO EACH PART 77 SURFACE, NOT INCLUDING PART 77 APPROACH SURFACES, ARE INCLUDED ON SHEETS 7-33.
7. OBSTRUCTION DESCRIPTIONS ARE GROUPED IN THE SUMMARY TABLE ON SHEET 6 - AIRPORT AIRSPACE DRAWING PER THE FOLLOWING: VEGETATION = BUSH, SCRUB, TREE; GROUND = GROUND; BUILDINGS/HANGARS = BUILDING, HANGAR; POLES/TOWERS = ANTENNA, BEACON, POLE, POLE_LIGHT, POLE_UTIL, POST, TRANSMISSION_PYLON, VERTICAL_POINT; NAVAIDS = PAPI, PAPI_CONTROL_BOX, REIL, SIGN, WINDSOCK; GROUND TRANSPORTATION = PARKING_LOT, ROAD - PRIVATE, ROAD - PUBLIC, STREET SIGN; UTILITY INFRASTRUCTURE = A/G PIPE, DAM, ELEC_BOX, MISC_UTIL, SOLAR_PANELS, TANK, TRANSFORMER; FENCE = FENCE, GATE; OTHER = CANOPY, DIRT_PILE, WALL
8. ALL HEIGHTS SHOWN IN FEET.
9. OBSTRUCTION HEIGHT ABOVE GROUND LEVEL PROVIDED WHERE AVAILABLE.
10. DEFINITIONS: PEN = PENETRATION; MSL = MEAN SEA LEVEL; AGL = ABOVE GROUND LEVEL; OL = OBSTRUCTION LIGHTING; DNH = DETERMINATION OF NO HAZARD

NO.	DATE	REVISIONS	BY	APPR.
5				
4				
3				
2				
1				

Kimley»Horn

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FAA DISCLAMER

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COTTONWOOD MUNICIPAL AIRPORT

COTTONWOOD, AZ

AIRPORT AIRSPACE DRAWING - PART 77 SURFACE PENETRATION TABLES (10 OF 27)

JOB NO.	291447000	DRAWN	KH	CHECKED	CBW
DATE:	DECEMBER 2022	DESIGNED	JTC	APPROVED	CBW

COTTONWOOD MUNICIPAL AIRPORT (P52) | AIRPORT LAYOUT PLAN | FAA SITE NUMBER 00665.A | FAA AIP GRANT NO. 019

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
TRANSITIONAL SURFACE PENETRATION GROUP *(CONT.)*								
88049	TRANSITIONAL	SCRUB	N34° 43' 35.71"	W112° 02' 04.71"	5.4	3,573.0		TRIM/REMOVE
88057	TRANSITIONAL	SCRUB	N34° 43' 35.67"	W112° 02' 04.80"	4.8	3,573.6		TRIM/REMOVE
88065	TRANSITIONAL	SCRUB	N34° 43' 35.72"	W112° 02' 04.84"	4.7	3,573.6		TRIM/REMOVE
88073	TRANSITIONAL	SCRUB	N34° 43' 35.83"	W112° 02' 04.89"	4.2	3,572.9		TRIM/REMOVE
88081	TRANSITIONAL	SCRUB	N34° 43' 35.86"	W112° 02' 04.76"	5.8	3,572.8		TRIM/REMOVE
88089	TRANSITIONAL	SCRUB	N34° 43' 35.91"	W112° 02' 04.79"	4.2	3,571.2		TRIM/REMOVE
88097	TRANSITIONAL	SCRUB	N34° 43' 35.92"	W112° 02' 04.70"	4.4	3,570.2		TRIM/REMOVE
88201	TRANSITIONAL	SCRUB	N34° 43' 35.07"	W112° 02' 05.55"	0.1	3,581.9		TRIM/REMOVE
88225	TRANSITIONAL	SCRUB	N34° 43' 34.95"	W112° 02' 05.39"	0.1	3,581.1		TRIM/REMOVE
88233	TRANSITIONAL	SCRUB	N34° 43' 35.13"	W112° 02' 05.35"	1.1	3,580.2		TRIM/REMOVE
88241	TRANSITIONAL	SCRUB	N34° 43' 35.09"	W112° 02' 05.10"	2.4	3,579.0		TRIM/REMOVE
88249	TRANSITIONAL	SCRUB	N34° 43' 34.99"	W112° 02' 05.21"	0.6	3,579.1		TRIM/REMOVE
88257	TRANSITIONAL	SCRUB	N34° 43' 34.93"	W112° 02' 05.00"	2.5	3,579.0		TRIM/REMOVE
88265	TRANSITIONAL	SCRUB	N34° 43' 35.00"	W112° 02' 05.01"	2.8	3,578.9		TRIM/REMOVE
88273	TRANSITIONAL	SCRUB	N34° 43' 34.80"	W112° 02' 04.71"	3.8	3,577.9		TRIM/REMOVE
88281	TRANSITIONAL	SCRUB	N34° 43' 34.89"	W112° 02' 04.69"	3.7	3,576.9		TRIM/REMOVE
88289	TRANSITIONAL	SCRUB	N34° 43' 34.97"	W112° 02' 04.71"	2.5	3,575.5		TRIM/REMOVE
88297	TRANSITIONAL	SCRUB	N34° 43' 35.08"	W112° 02' 04.69"	3.6	3,575.5		TRIM/REMOVE
88305	TRANSITIONAL	SCRUB	N34° 43' 35.05"	W112° 02' 04.62"	3.4	3,574.7		TRIM/REMOVE
88313	TRANSITIONAL	SCRUB	N34° 43' 34.95"	W112° 02' 04.49"	3.7	3,574.2		TRIM/REMOVE
88321	TRANSITIONAL	SCRUB	N34° 43' 34.84"	W112° 02' 04.48"	4.4	3,575.6		TRIM/REMOVE
88329	TRANSITIONAL	SCRUB	N34° 43' 34.91"	W112° 02' 04.37"	5.9	3,575.3		TRIM/REMOVE
88337	TRANSITIONAL	SCRUB	N34° 43' 34.86"	W112° 02' 04.35"	5.3	3,574.8		TRIM/REMOVE
88345	TRANSITIONAL	SCRUB	N34° 43' 34.76"	W112° 02' 04.08"	6.1	3,573.2		TRIM/REMOVE
88353	TRANSITIONAL	SCRUB	N34° 43' 34.66"	W112° 02' 04.09"	6.0	3,574.1		TRIM/REMOVE
88361	TRANSITIONAL	SCRUB	N34° 43' 34.54"	W112° 02' 04.01"	6.2	3,574.2		TRIM/REMOVE
88369	TRANSITIONAL	SCRUB	N34° 43' 34.54"	W112° 02' 04.16"	4.3	3,574.1		TRIM/REMOVE
88377	TRANSITIONAL	SCRUB	N34° 43' 34.38"	W112° 02' 03.87"	5.5	3,573.0		TRIM/REMOVE
88385	TRANSITIONAL	SCRUB	N34° 43' 34.27"	W112° 02' 03.79"	5.6	3,573.0		TRIM/REMOVE
88393	TRANSITIONAL	SCRUB	N34° 43' 34.16"	W112° 02' 03.90"	3.9	3,573.3		TRIM/REMOVE
88401	TRANSITIONAL	SCRUB	N34° 43' 34.24"	W112° 02' 04.10"	2.4	3,573.6		TRIM/REMOVE
88409	TRANSITIONAL	SCRUB	N34° 43' 34.25"	W112° 02' 04.24"	0.9	3,573.6		TRIM/REMOVE
88457	TRANSITIONAL	SCRUB	N34° 43' 34.51"	W112° 02' 04.59"	0.9	3,575.8		TRIM/REMOVE
88561	TRANSITIONAL	TREE	N34° 43' 33.92"	W112° 02' 04.55"	0.3	3,579.1		TRIM/REMOVE
88569	TRANSITIONAL	TREE	N34° 43' 32.63"	W112° 02' 03.11"	6.9	3,578.4		TRIM/REMOVE
88617	TRANSITIONAL	TREE	N34° 43' 31.10"	W112° 02' 02.34"	2.4	3,576.3		TRIM/REMOVE
88625	TRANSITIONAL	TREE	N34° 43' 30.65"	W112° 02' 02.04"	2.2	3,575.8		TRIM/REMOVE
88633	TRANSITIONAL	TREE	N34° 43' 28.88"	W112° 02' 01.25"	1.2	3,578.7		TRIM/REMOVE
88657	TRANSITIONAL	TREE	N34° 43' 26.97"	W112° 02' 00.00"	1.4	3,578.3		TRIM/REMOVE
88673	TRANSITIONAL	TREE	N34° 43' 26.71"	W112° 01' 59.96"	1.2	3,579.6		TRIM/REMOVE
88681	TRANSITIONAL	TREE	N34° 43' 26.92"	W112° 01' 59.71"	3.5	3,577.3		TRIM/REMOVE
88785	TRANSITIONAL	TREE	N34° 43' 25.87"	W112° 01' 59.60"	2.5	3,582.6		TRIM/REMOVE
88793	TRANSITIONAL	TREE	N34° 43' 26.32"	W112° 01' 59.74"	0.9	3,579.5		TRIM/REMOVE
88801	TRANSITIONAL	TREE	N34° 43' 26.51"	W112° 01' 59.53"	4.4	3,579.1		TRIM/REMOVE
88809	TRANSITIONAL	TREE	N34° 43' 26.36"	W112° 01' 59.43"	4.3	3,579.0		TRIM/REMOVE
88817	TRANSITIONAL	TREE	N34° 43' 25.95"	W112° 01' 59.23"	6.4	3,581.5		TRIM/REMOVE
88825	TRANSITIONAL	TREE	N34° 43' 25.65"	W112° 01' 59.16"	4.8	3,581.1		TRIM/REMOVE
88833	TRANSITIONAL	TREE	N34° 43' 25.40"	W112° 01' 58.99"	7.0	3,583.0		TRIM/REMOVE
88841	TRANSITIONAL	TREE	N34° 43' 25.14"	W112° 01' 58.90"	5.3	3,582.0		TRIM/REMOVE
88849	TRANSITIONAL	TREE	N34° 43' 25.31"	W112° 01' 59.09"	3.9	3,581.7		TRIM/REMOVE
88857	TRANSITIONAL	TREE	N34° 43' 24.88"	W112° 01' 58.93"	9.7	3,588.4		TRIM/REMOVE
88865	TRANSITIONAL	TREE	N34° 43' 24.97"	W112° 01' 58.85"	4.5	3,581.7		TRIM/REMOVE
88873	TRANSITIONAL	TREE	N34° 43' 25.02"	W112° 01' 58.68"	6.1	3,581.0		TRIM/REMOVE
88881	TRANSITIONAL	TREE	N34° 43' 24.62"	W112° 01' 58.64"	7.1	3,584.1		TRIM/REMOVE
88889	TRANSITIONAL	TREE	N34° 43' 24.48"	W112° 01' 58.70"	3.6	3,582.3		TRIM/REMOVE
88897	TRANSITIONAL	TREE	N34° 43' 24.56"	W112° 01' 58.89"	2.6	3,582.9		TRIM/REMOVE
88905	TRANSITIONAL	TREE	N34° 43' 24.72"	W112° 01' 58.78"	3.3	3,581.4		TRIM/REMOVE
88913	TRANSITIONAL	TREE	N34° 43' 24.93"	W112° 01' 59.27"	2.9	3,585.3		TRIM/REMOVE
88921	TRANSITIONAL	TREE	N34° 43' 24.35"	W112° 01' 59.22"	4.1	3,589.6		TRIM/REMOVE
88945	TRANSITIONAL	TREE	N34° 43' 24.34"	W112° 01' 58.76"	0.9	3,581.1		TRIM/REMOVE
88953	TRANSITIONAL	TREE	N34° 43' 24.13"	W112° 01' 58.68"	2.8	3,583.5		TRIM/REMOVE
89057	TRANSITIONAL	TREE	N34° 43' 23.55"	W112° 01' 58.79"	0.7	3,586.3		TRIM/REMOVE
89065	TRANSITIONAL	TREE	N34° 43' 23.59"	W112° 01' 58.60"	0.5	3,583.7		TRIM/REMOVE
89089	TRANSITIONAL	TREE	N34° 43' 23.76"	W112° 01' 58.50"	0.2	3,581.3		TRIM/REMOVE
89097	TRANSITIONAL	TREE	N34° 43' 23.91"	W112° 01' 58.40"	8.4	3,587.4		TRIM/REMOVE
89105	TRANSITIONAL	TREE	N34° 43' 24.20"	W112° 01' 58.38"	5.6	3,582.5		TRIM/REMOVE
89113	TRANSITIONAL	TREE	N34° 43' 24.38"	W112° 01' 58.49"	3.1	3,580.0		TRIM/REMOVE
89121	TRANSITIONAL	TREE	N34° 43' 24.42"	W112° 01' 58.34"	5.4	3,580.4		TRIM/REMOVE
89129	TRANSITIONAL	TREE	N34° 43' 24.22"	W112° 01' 58.25"	3.2	3,578.4		TRIM/REMOVE
89137	TRANSITIONAL	TREE	N34° 43' 24.09"	W112° 01' 58.16"	2.0	3,577.1		TRIM/REMOVE
89145	TRANSITIONAL	TREE	N34° 43' 23.70"	W112° 01' 58.17"	8.9	3,586.6		TRIM/REMOVE
89153	TRANSITIONAL	TREE	N34° 43' 23.15"	W112° 01' 58.19"	8.4	3,589.9		TRIM/REMOVE
89161	TRANSITIONAL	TREE	N34° 43' 23.11"	W112° 01' 57.76"	7.7	3,584.4		TRIM/REMOVE
89169	TRANSITIONAL	TREE	N34° 43' 22.86"	W112° 01' 57.74"	4.8	3,583.1		TRIM/REMOVE
89177	TRANSITIONAL	TREE	N34° 43' 22.82"	W112° 01' 58.03"	4.2	3,585.7		TRIM/REMOVE
89193	TRANSITIONAL	TREE	N34° 43' 22.85"	W112° 01' 58.37"	1.9	3,586.9		TRIM/REMOVE
89209	TRANSITIONAL	TREE	N34° 43' 23.10"	W112° 01' 58.74"	1.8	3,589.5		TRIM/REMOVE
89233	TRANSITIONAL	TREE	N34° 43' 22.64"	W112° 01' 57.62"	3.4	3,581.8		TRIM/REMOVE
89241	TRANSITIONAL	TREE	N34° 43' 22.80"	W112° 01' 57.61"	4.9	3,582.0		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
TRANSITIONAL SURFACE PENETRATION GROUP *(CONT.)*								
89249	TRANSITIONAL	TREE	N34° 43' 23.10"	W112° 01' 57.59"	4.5	3,579.5		TRIM/REMOVE
89257	TRANSITIONAL	TREE	N34° 43' 22.97"	W112° 01' 57.59"	3.7	3,579.6		TRIM/REMOVE
89265	TRANSITIONAL	TREE	N34° 43' 22.94"	W112° 01' 57.73"	6.8	3,584.3		TRIM/REMOVE
89273	TRANSITIONAL	TREE	N34° 43' 22.48"	W112° 01' 57.29"	5.2	3,581.0		TRIM/REMOVE
89281	TRANSITIONAL	TREE	N34° 43' 22.56"	W112° 01' 57.45"	4.3	3,581.4		TRIM/REMOVE
89289	TRANSITIONAL	TREE	N34° 43' 22.28"	W112° 01' 57.17"	3.3	3,579.4		TRIM/REMOVE
89297	TRANSITIONAL	TREE	N34° 43' 21.87"	W112° 01' 57.03"	3.8	3,581.5		TRIM/REMOVE
89305	TRANSITIONAL	TREE	N34° 43' 21.75"	W112° 01' 57.22"	10.1	3,590.7		TRIM/REMOVE
89353	TRANSITIONAL	TREE	N34° 43' 22.28"	W112° 01' 57.71"	0.6	3,582.3		TRIM/REMOVE
89361	TRANSITIONAL	TREE	N34° 43' 22.15"	W112° 01' 57.58"	0.3	3,581.7		TRIM/REMOVE
89377	TRANSITIONAL	TREE	N34° 43' 22.60"	W112° 01' 57.84"	0.1	3,581.1		TRIM/REMOVE
89385	TRANSITIONAL	TREE	N34° 43' 22.69"	W112° 01' 57.91"	2.1	3,583.2		TRIM/REMOVE
89393	TRANSITIONAL	TREE	N34° 43' 22.71"	W112° 01' 57.76"	2.1	3,581.5		TRIM/REMOVE
89401	TRANSITIONAL	TREE	N34° 43' 22.11"	W112° 01' 57.34"	0.8	3,579.9		TRIM/REMOVE
89409	TRANSITIONAL	TREE	N34° 43' 21.47"	W112° 01' 56.67"	5.1	3,582.4		TRIM/REMOVE
89417	TRANSITIONAL	TREE	N34° 43' 21.36"	W112° 01' 57.01"	2.7	3,584.3		TRIM/REMOVE
89425	TRANSITIONAL	TREE	N34° 43' 21.34"	W112° 01' 57.10"	0.2	3,582.8		TRIM/REMOVE
89433	TRANSITIONAL	TREE	N34° 43' 21.23"	W112° 01' 56.87"	1.0	3,582.3		TRIM/REMOVE
89441	TRANSITIONAL	TREE	N34° 43' 21.13"	W112° 01' 57.00"	0.9	3,584.4		TRIM/REMOVE
89609	TRANSITIONAL	TREE	N34° 43' 16.66"	W112° 01' 57.00"	8.8	3,632.5		TRIM/REMOVE
89841	TRANSITIONAL	SCRUB	N34° 43' 21.36"	W112° 01' 56.41"	0.4	3,576.1		TRIM/REMOVE
89889	TRANSITIONAL	SCRUB	N34° 43' 22.36"	W112° 01' 57.22"	1.6	3,577.5		TRIM/REMOVE
89921	TRANSITIONAL	SCRUB	N34° 43' 23.01"	W112° 01' 57.23"	6.2	3,577.9		TRIM/REMOVE
89929	TRANSITIONAL	SCRUB	N34° 43' 23.75"	W112° 01' 57.15"	5.8	3,571.9		TRIM/REMOVE
89937	TRANSITIONAL	SCRUB	N34° 43' 23.57"	W112° 01' 57.37"	3.4	3,573.1		TRIM/REMOVE
89945	TRANSITIONAL	SCRUB	N34° 43' 23.69"	W112° 01' 57.36"	3.2	3,572.1		TRIM/REMOVE
89953	TRANSITIONAL	SCRUB	N34° 43' 24.07"	W112° 01' 57.44"	5.4	3,572.6		TRIM/REMOVE
89961	TRANSITIONAL	TREE	N34° 43' 24.20"	W112° 01' 57.47"	12.2	3,578.8		TRIM/REMOVE
89969	TRANSITIONAL	TREE	N34° 43' 23.44"	W112° 01' 56.84"	11.5	3,576.2		TRIM/REMOVE
90089	TRANSITIONAL	TREE	N34° 43' 24.48"	W112° 01' 57.30"	12.3	3,575.1		TRIM/REMOVE
90794	TRANSITIONAL	SCRUB	N34° 43' 24.12"	W112° 01' 57.81"	4.8	3,575.8		TRIM/REMOVE
90802	TRANSITIONAL	SCRUB	N34° 43' 24.06"	W112° 01' 57.64"	4.4	3,573.8		TRIM/REMOVE
90810	TRANSITIONAL	SCRUB	N34° 43' 24.40"	W112° 01' 57.85"	4.8	3,574.3		TRIM/REMOVE
90818	TRANSITIONAL	SCRUB	N34° 43' 24.52"	W112° 01' 57.82"	7.3	3,575.8		TRIM/REMOVE
90826	TRANSITIONAL	SCRUB	N34° 43' 24.77"	W112° 01' 57.98"	6.5	3,575.1		TRIM/REMOVE
90834	TRANSITIONAL	SCRUB	N34° 43' 24.72"	W112° 01' 57.79"	6.8	3,573.6		TRIM/REMOVE
90842	TRANSITIONAL	SCRUB	N34° 43' 24.37"	W112° 01' 57.57"	6.7	3,573.3		TRIM/REMOVE
90850	TRANSITIONAL	SCRUB	N34° 43' 24.62"	W112° 01' 57.46"	10.4	3,574.1		TRIM/REMOVE
90858	TRANSITIONAL	SCRUB	N34° 43' 24.45"	W112° 01' 57.45"	7.3	3,572.1		TRIM/REMOVE
90866	TRANSITIONAL	SCRUB	N34° 43' 25.03"	W112° 01' 57.48"	13.6	3,574.7		TRIM/REMOVE
90874	TRANSITIONAL	SCRUB	N34° 43' 25.34"	W112° 01' 57.48"	15.5	3,574.4		TRIM/REMOVE
90882	TRANSITIONAL	SCRUB	N34° 43' 25.23"	W112° 01' 57.86"	11.7	3,575.8		TRIM/REMOVE
90890	TRANSITIONAL	SCRUB	N34° 43' 25.34"	W112° 01' 58.01"	10.0	3,575.1		TRIM/REMOVE
90898	TRANSITIONAL	SCRUB	N34° 43' 25.41"	W112° 01' 57.86"	11.7	3,574.6		TRIM/REMOVE
90906	TRANSITIONAL	SCRUB	N34° 43' 25.56"	W112° 01' 57.87"	12.9	3,574.7		TRIM/REMOVE
90914	TRANSITIONAL	SCRUB	N34° 43' 25.51"	W112° 01' 57.75"	13.4	3,574.3		TRIM/REMOVE
90922	TRANSITIONAL	SCRUB	N34° 43' 25.59"	W112° 01' 57.61"	15.1	3,573.7		TRIM/REMOVE
90930	TRANSITIONAL	SCRUB	N34° 43' 25.62"	W112° 01' 57.79"	14.2	3,574.7		TRIM/REMOVE
90938	TRANSITIONAL	SCRUB	N34° 43' 25.76"	W112° 01' 57.82"	14.7	3,574.6		TRIM/REMOVE
90946	TRANSITIONAL	SCRUB	N34° 43' 25.69"	W112° 01' 57.89"	12.5	3,573.7		TRIM/REMOVE
90954	TRANSITIONAL	SCRUB	N34° 43' 25.61"	W112° 01' 57.98"	10.2	3,573.0		TRIM/REMOVE
90962	TRANSITIONAL	SCRUB	N34° 43' 25.49"	W112° 01' 58.11"	9.8	3,574.9		TRIM/REMOVE
90970	TRANSITIONAL	SCRUB	N34° 43' 25.54"	W112° 01' 58.17"	9.9	3,575.3		TRIM/REMOVE
90978	TRANSITIONAL	SCRUB	N34° 43' 25.62"	W112° 01' 58.22"	9.8	3,575.3		TRIM/REMOVE
90994	TRANSITIONAL	SCRUB	N34° 43' 25.50"	W112° 01' 58.38"	9.5	3,577.8		TRIM/REMOVE
91002	TRANSITIONAL	SCRUB	N34° 43' 25.78"	W112° 01' 58.49"	10.5	3,578.0		TRIM/REMOVE
91010	TRANSITIONAL	SCRUB	N34° 43' 25.71"	W112° 01' 58.52"	7.2	3,575.6		TRIM/REMOVE
91018	TRANSITIONAL	SCRUB	N34° 43' 25.69"	W112° 01' 58.32"	8.7	3,574.9		TRIM/REMOVE
91026	TRANSITIONAL	SCRUB	N34° 43' 25.87"	W112° 01' 57.89"	14.0	3,573.9		TRIM/REMOVE
91034	TRANSITIONAL	SCRUB	N34° 43' 25.90"	W112° 01' 57.96"	14.3	3,574.8		TRIM/REMOVE
91042	TRANSITIONAL	SCRUB	N34° 43' 25.79"	W112° 01' 58.00"	13.1	3,574.8		TRIM/REMOVE
91050	TRANSITIONAL	SCRUB	N34° 43' 25.82"	W112° 01' 58.13"	11.8	3,574.8		TRIM/REMOVE
91058	TRANSITIONAL	SCRUB	N34° 43' 25.84"	W112° 01' 58.26"	10.5	3,574.9		TRIM/REMOVE
91066	TRANSITIONAL	SCRUB	N34° 43' 25.95"	W112° 01' 58.34"	12.0	3,576.5		TRIM/REMOVE
91074	TRANSITIONAL	SCRUB	N34° 43' 26.06"	W112° 01' 58.22"	11.6	3,574.1		TRIM/REMOVE
91082	TRANSITIONAL	SCRUB	N34° 43' 26.16"	W112° 01' 58.27"	12.8	3,575.1		TRIM/REMOVE
91090	TRANSITIONAL	SCRUB	N34° 43' 26.17"	W112° 01' 58.44"	10.7	3,574.8		TRIM/REMOVE
91098	TRANSITIONAL	SCRUB	N34° 43' 26.42"	W112° 01' 58.75"	9.6	3,575.7		TRIM/REMOVE
91106	TRANSITIONAL	SCRUB	N34° 43' 26.31"	W112° 01' 58.91"	5.8	3,574.6		TRIM/REMOVE
91114	TRANSITIONAL	SCRUB	N34° 43' 26.46"	W112° 01' 58.89"	7.1	3,574.7		TRIM/REMOVE
91122	TRANSITIONAL	SCRUB	N34° 43' 26.52"	W112° 01' 58.94"	7.0	3,574.7		TRIM/REMOVE
91130	TRANSITIONAL	SCRUB	N34° 43' 26.53"	W112° 01' 59.02"	6.4	3,574.9		TRIM/REMOVE
91138	TRANSITIONAL	SCRUB	N34° 43' 26.62"	W112° 01' 59.05"	6.1	3,574.3		TRIM/REMOVE
91146	TRANSITIONAL	SCRUB	N34° 43' 26.69"	W112° 01' 58.96"	6.6	3,573.2		TRIM/REMOVE
91154	TRANSITIONAL	SCRUB	N34° 43' 26.83"	W112° 01' 58.88"	9.4	3,574.1		TRIM/REMOVE
91162	TRANSITIONAL	SCRUB	N34° 43' 26.89"	W112° 01' 58.97"	9.3	3,574.6		TRIM/REMOVE
91170	TRANSITIONAL	SCRUB	N34° 43' 26.67"	W112° 01' 59.20"	3.5	3,573.1		TRIM/REMOVE
91178	TRANSITIONAL	SCRUB	N34° 43' 27.12"	W112° 01' 59.86"	1.4	3,575.6		TRIM/REMOVE
91202	TRANSITIONAL	SCRUB	N34° 43' 27.25"	W112° 01' 59.89"	0.4	3,573.9		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
TRANSITIONAL SURFACE PENETRATION GROUP *(CONT.)*								
91474	TRANSITIONAL	SCRUB	N34° 43' 28.89"	W112° 02' 00.92"	0.7	3,574.3		TRIM/REMOVE
91482	TRANSITIONAL	SCRUB	N34° 43' 28.90"	W112° 02' 00.82"	2.2	3,574.4		TRIM/REMOVE
91522	TRANSITIONAL	TREE	N34° 43' 27.89"	W112° 02' 00.86"	0.9	3,581.2		TRIM/REMOVE
91666	TRANSITIONAL	SCRUB	N34° 43' 26.22"	W112° 01' 59.45"	0.0	3,576.0		TRIM/REMOVE
91714	TRANSITIONAL	SCRUB	N34° 43' 27.43"	W112° 01' 59.27"	7.8	3,572.7		TRIM/REMOVE
91722	TRANSITIONAL	SCRUB	N34° 43' 27.50"	W112° 01' 59.33"	8.2	3,573.2		TRIM/REMOVE
91730	TRANSITIONAL	TREE	N34° 43' 27.76"	W112° 01' 59.61"	8.9	3,575.3		TRIM/REMOVE
91738	TRANSITIONAL	TREE	N34° 43' 27.96"	W112° 01' 59.59"	9.1	3,573.7		TRIM/REMOVE
91762	TRANSITIONAL	SCRUB	N34° 43' 28.21"	W112° 01' 59.69"	6.6	3,570.6		TRIM/REMOVE
91770	TRANSITIONAL	SCRUB	N34° 43' 28.07"	W112° 01' 59.87"	6.3	3,573.5		TRIM/REMOVE
91778	TRANSITIONAL	SCRUB	N34° 43' 28.11"	W112° 01' 59.89"	5.8	3,573.0		TRIM/REMOVE
91786	TRANSITIONAL	SCRUB	N34° 43' 28.10"	W112° 02' 00.01"	3.7	3,572.4		TRIM/REMOVE
91794	TRANSITIONAL	SCRUB	N34° 43' 28.18"	W112° 01' 59.94"	5.3	3,572.5		TRIM/REMOVE
91802	TRANSITIONAL	SCRUB	N34° 43' 28.28"	W112° 02' 00.00"	5.9	3,573.1		TRIM/REMOVE
91810	TRANSITIONAL	SCRUB	N34° 43' 28.37"	W112° 02' 00.06"	5.4	3,572.6		TRIM/REMOVE
91818	TRANSITIONAL	SCRUB	N34° 43' 28.22"	W112° 01' 59.86"	5.7	3,571.6		TRIM/REMOVE
91826	TRANSITIONAL	SCRUB	N34° 43' 28.47"	W112° 01' 59.96"	6.8	3,572.1		TRIM/REMOVE
91834	TRANSITIONAL	SCRUB	N34° 43' 28.57"	W112° 02' 00.01"	7.5	3,572.6		TRIM/REMOVE
91842	TRANSITIONAL	SCRUB	N34° 43' 28.57"	W112° 02' 00.14"	6.1	3,572.8		TRIM/REMOVE
91850	TRANSITIONAL	SCRUB	N34° 43' 28.66"	W112° 01' 59.97"	5.6	3,569.7		TRIM/REMOVE
91858	TRANSITIONAL	SCRUB	N34° 43' 28.84"	W112° 02' 00.29"	6.1	3,572.5		TRIM/REMOVE
91866	TRANSITIONAL	SCRUB	N34° 43' 28.95"	W112° 02' 00.34"	7.4	3,573.7		TRIM/REMOVE
91874	TRANSITIONAL	SCRUB	N34° 43' 29.04"	W112° 02' 00.30"	7.3	3,572.4		TRIM/REMOVE
91882	TRANSITIONAL	SCRUB	N34° 43' 29.06"	W112° 02' 00.42"	6.6	3,573.0		TRIM/REMOVE
91890	TRANSITIONAL	SCRUB	N34° 43' 29.21"	W112° 02' 00.52"	6.9	3,573.2		TRIM/REMOVE
91898	TRANSITIONAL	SCRUB	N34° 43' 29.55"	W112° 02' 00.52"	7.7	3,571.6		TRIM/REMOVE
91906	TRANSITIONAL	SCRUB	N34° 43' 29.59"	W112° 02' 00.29"	10.4	3,571.4		TRIM/REMOVE
91914	TRANSITIONAL	SCRUB	N34° 43' 29.60"	W112° 02' 00.76"	5.9	3,572.3		TRIM/REMOVE
91922	TRANSITIONAL	SCRUB	N34° 43' 29.63"	W112° 02' 00.84"	5.7	3,572.9		TRIM/REMOVE
91930	TRANSITIONAL	SCRUB	N34° 43' 29.72"	W112° 02' 00.89"	5.9	3,573.0		TRIM/REMOVE
91938	TRANSITIONAL	SCRUB	N34° 43' 30.30"	W112° 02' 01.13"	5.1	3,570.6		TRIM/REMOVE
91946	TRANSITIONAL	SCRUB	N34° 43' 30.23"	W112° 02' 01.07"	5.0	3,570.4		TRIM/REMOVE
91954	TRANSITIONAL	SCRUB	N34° 43' 30.30"	W112° 02' 01.01"	6.0	3,570.2		TRIM/REMOVE
91962	TRANSITIONAL	SCRUB	N34° 43' 30.58"	W112° 02' 01.04"	8.5	3,570.9		TRIM/REMOVE
91970	TRANSITIONAL	SCRUB	N34° 43' 30.90"	W112° 02' 01.32"	6.9	3,570.3		TRIM/REMOVE
91978	TRANSITIONAL	SCRUB	N34° 43' 30.70"	W112° 02' 00.75"	12.9	3,571.1		TRIM/REMOVE
91986	TRANSITIONAL	SCRUB	N34° 43' 30.41"	W112° 02' 00.63"	12.2	3,571.0		TRIM/REMOVE
91994	TRANSITIONAL	SCRUB	N34° 43' 30.14"	W112° 02' 00.57"	11.9	3,572.1		TRIM/REMOVE
92002	TRANSITIONAL	SCRUB	N34° 43' 28.91"	W112° 01' 59.96"	8.8	3,570.8		TRIM/REMOVE
92010	TRANSITIONAL	SCRUB	N34° 43' 27.81"	W112° 01' 59.75"	6.0	3,573.7		TRIM/REMOVE
92026	TRANSITIONAL	SCRUB	N34° 43' 26.59"	W112° 01' 58.30"	10.2	3,569.8		TRIM/REMOVE
92034	TRANSITIONAL	SCRUB	N34° 43' 26.24"	W112° 01' 58.57"	8.8	3,574.0		TRIM/REMOVE
92042	TRANSITIONAL	TREE	N34° 43' 26.25"	W112° 01' 58.47"	13.1	3,577.1		TRIM/REMOVE
92050	TRANSITIONAL	SCRUB	N34° 43' 26.01"	W112° 01' 58.52"	5.8	3,572.1		TRIM/REMOVE
92058	TRANSITIONAL	SCRUB	N34° 43' 25.94"	W112° 01' 58.58"	7.8	3,575.3		TRIM/REMOVE
92066	TRANSITIONAL	SCRUB	N34° 43' 25.80"	W112° 01' 58.62"	6.0	3,574.9		TRIM/REMOVE
92074	TRANSITIONAL	SCRUB	N34° 43' 25.28"	W112° 01' 58.42"	6.0	3,576.1		TRIM/REMOVE
92082	TRANSITIONAL	SCRUB	N34° 43' 24.57"	W112° 01' 58.44"	2.8	3,577.9		TRIM/REMOVE
92090	TRANSITIONAL	SCRUB	N34° 43' 24.85"	W112° 01' 58.58"	1.5	3,576.4		TRIM/REMOVE
92098	TRANSITIONAL	SCRUB	N34° 43' 25.02"	W112° 01' 59.03"	0.6	3,579.5		TRIM/REMOVE
92114	TRANSITIONAL	SCRUB	N34° 43' 25.09"	W112° 01' 59.19"	0.2	3,580.5		TRIM/REMOVE
92202	TRANSITIONAL	SCRUB	N34° 43' 25.61"	W112° 01' 59.27"	0.2	3,578.1		TRIM/REMOVE
92226	TRANSITIONAL	SCRUB	N34° 43' 25.84"	W112° 01' 59.14"	2.8	3,577.6		TRIM/REMOVE
92234	TRANSITIONAL	SCRUB	N34° 43' 25.51"	W112° 01' 58.97"	2.9	3,577.9		TRIM/REMOVE
92242	TRANSITIONAL	SCRUB	N34° 43' 25.69"	W112° 01' 59.05"	4.7	3,579.5		TRIM/REMOVE
92514	TRANSITIONAL	SCRUB	N34° 43' 30.64"	W112° 02' 01.74"	2.6	3,572.8		TRIM/REMOVE
92522	TRANSITIONAL	SCRUB	N34° 43' 30.33"	W112° 02' 01.64"	2.2	3,573.5		TRIM/REMOVE
92530	TRANSITIONAL	SCRUB	N34° 43' 30.22"	W112° 02' 01.56"	2.4	3,573.5		TRIM/REMOVE
92538	TRANSITIONAL	SCRUB	N34° 43' 30.06"	W112° 02' 01.42"	3.3	3,574.0		TRIM/REMOVE
92546	TRANSITIONAL	SCRUB	N34° 43' 29.99"	W112° 02' 01.47"	1.4	3,573.2		TRIM/REMOVE
92554	TRANSITIONAL	TREE	N34° 43' 30.35"	W112° 02' 01.77"	3.8	3,576.5		TRIM/REMOVE
92562	TRANSITIONAL	TREE	N34° 43' 30.36"	W112° 02' 01.94"	1.9	3,576.5		TRIM/REMOVE
92570	TRANSITIONAL	TREE	N34° 43' 30.70"	W112° 02' 02.18"	0.9	3,575.7		TRIM/REMOVE
92650	TRANSITIONAL	SCRUB	N34° 43' 34.66"	W112° 02' 04.78"	1.5	3,577.4		TRIM/REMOVE
92658	TRANSITIONAL	SCRUB	N34° 43' 34.36"	W112° 02' 04.13"	2.9	3,573.5		TRIM/REMOVE
92666	TRANSITIONAL	SCRUB	N34° 43' 34.03"	W112° 02' 04.15"	1.3	3,574.5		TRIM/REMOVE
92778	TRANSITIONAL	SCRUB	N34° 43' 35.14"	W112° 02' 05.20"	0.5	3,577.7		TRIM/REMOVE
92810	TRANSITIONAL	SCRUB	N34° 43' 35.50"	W112° 02' 05.45"	2.1	3,579.7		TRIM/REMOVE
92826	TRANSITIONAL	SCRUB	N34° 43' 35.37"	W112° 02' 05.26"	2.1	3,578.5		TRIM/REMOVE
92834	TRANSITIONAL	SCRUB	N34° 43' 35.56"	W112° 02' 05.17"	1.6	3,575.6		TRIM/REMOVE
92842	TRANSITIONAL	SCRUB	N34° 43' 35.34"	W112° 02' 04.43"	9.7	3,576.8		TRIM/REMOVE
92850	TRANSITIONAL	SCRUB	N34° 43' 35.20"	W112° 02' 04.28"	10.1	3,576.3		TRIM/REMOVE
92882	TRANSITIONAL	SCRUB	N34° 43' 34.62"	W112° 02' 04.88"	1.8	3,579.2		TRIM/REMOVE
92890	TRANSITIONAL	SCRUB	N34° 43' 34.04"	W112° 02' 03.65"	4.7	3,572.1		TRIM/REMOVE
92898	TRANSITIONAL	SCRUB	N34° 43' 33.74"	W112° 02' 03.81"	3.1	3,574.6		TRIM/REMOVE
92906	TRANSITIONAL	SCRUB	N34° 43' 33.57"	W112° 02' 03.59"	4.4	3,574.6		TRIM/REMOVE
92914	TRANSITIONAL	SCRUB	N34° 43' 33.46"	W112° 02' 03.45"	3.7	3,573.1		TRIM/REMOVE
92922	TRANSITIONAL	SCRUB	N34° 43' 32.96"	W112° 02' 03.17"	2.7	3,572.5		TRIM/REMOVE
92930	TRANSITIONAL	SCRUB	N34° 43' 32.95"	W112° 02' 03.29"	0.7	3,572.0		TRIM/REMOVE

NOTES

1. SURVEY PERFORMED JULY 2020.
2. PART 77 SURFACES BASED ON 14 CFR PART 77.
3. PART 77 APPROACH SURFACES SHOWN ON SHEET 34 - INNER PORTION OF THE APPROACH SURFACE DRAWING; PART 77 APPROACH SURFACE OBSTRUCTIONS LISTED ON SHEETS 35-36.
4. TRAVERSEWAY ELEVATIONS INCLUDE THE FOLLOWING ADJUSTMENTS: PRIVATE ROADS: 10', PUBLIC ROADS: 15'. NO INTERSTATE HIGHWAYS OR RAILROADS ARE LOCATED IN THE IMMEDIATE VICINITY OF THE AIRPORT.
5. SURVEY IDENTIFIED A TOTAL OF 6,298 OBSTRUCTIONS TO PART 77 SURFACES, NOT INCLUDING PART 77 APPROACH SURFACES. OBSTRUCTIONS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT TOP 2% OF PENETRATIONS TO EACH PART 77 SURFACE.
6. OBSTRUCTION GROUPS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT APPROXIMATE LOCATION OF ALL OBSTRUCTIONS. COMPREHENSIVE LISTS OF OBSTRUCTIONS TO EACH PART 77 SURFACE, NOT INCLUDING PART 77 APPROACH SURFACES, ARE INCLUDED ON SHEETS 7-33.
7. OBSTRUCTION DESCRIPTIONS ARE GROUPED IN THE SUMMARY TABLE ON SHEET 6 - AIRPORT AIRSPACE DRAWING PER THE FOLLOWING: VEGETATION = BUSH, SCRUB, TREE; GROUND = GROUND; BUILDINGS/HANGARS = BUILDING, HANGAR; POLES/TOWERS = ANTENNA, BEACON, POLE, POLE_LIGHT, POLE_UTIL, POST, TRANSMISSION_PYLON, VERTICAL_POINT; NAVAIDS = PAPI, PAPI_CONTROL_BOX, REIL, SIGN, WINDSOCK; GROUND TRANSPORTATION = PARKING_LOT, ROAD - PRIVATE, ROAD - PUBLIC, STREET SIGN; UTILITY INFRASTRUCTURE = A/G PIPE, DAM, ELEC_BOX, MISC_UTIL, SOLAR_PANELS, TANK, TRANSFORMER; FENCE = FENCE, GATE; OTHER = CANOPY, DIRT_PILE, WALL
8. ALL HEIGHTS SHOWN IN FEET.
9. OBSTRUCTION HEIGHT ABOVE GROUND LEVEL PROVIDED WHERE AVAILABLE.
10. DEFINITIONS: PEN = PENETRATION; MSL = MEAN SEA LEVEL; AGL = ABOVE GROUND LEVEL; OL = OBSTRUCTION LIGHTING; DNH = DETERMINATION OF NO HAZARD

NO.	DATE	REVISIONS	BY	APPR.
5				
4				
3				
2				
1				

Kimley»Horn

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FAA DISCLAMER

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COTTONWOOD MUNICIPAL AIRPORT
COTTONWOOD, AZ

AIRPORT AIRSPACE DRAWING - PART 77 SURFACE PENETRATION TABLES (11 OF 27)

JOB NO. 291447000	DRAWN KH	CHECKED CBW	
DATE: DECEMBER 2022	DESIGNED JTC	APPROVED CBW	SHEET 17 OF 40

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
TRANSITIONAL SURFACE PENETRATION GROUP *(CONT.)*								
92938	TRANSITIONAL	SCRUB	N34° 43' 32.82"	W112° 02' 03.39"	1.4	3,574.9		TRIM/REMOVE
92962	TRANSITIONAL	SCRUB	N34° 43' 33.25"	W112° 02' 02.66"	6.6	3,568.3		TRIM/REMOVE
92970	TRANSITIONAL	SCRUB	N34° 43' 33.33"	W112° 02' 02.77"	5.7	3,568.1		TRIM/REMOVE
92978	TRANSITIONAL	SCRUB	N34° 43' 33.52"	W112° 02' 02.95"	7.6	3,570.7		TRIM/REMOVE
92986	TRANSITIONAL	SCRUB	N34° 43' 33.67"	W112° 02' 02.65"	8.3	3,566.9		TRIM/REMOVE
92994	TRANSITIONAL	SCRUB	N34° 43' 33.78"	W112° 02' 02.44"	10.0	3,565.3		TRIM/REMOVE
93002	TRANSITIONAL	SCRUB	N34° 43' 33.91"	W112° 02' 02.91"	8.0	3,567.8		TRIM/REMOVE
93010	TRANSITIONAL	SCRUB	N34° 43' 34.14"	W112° 02' 03.14"	8.5	3,569.3		TRIM/REMOVE
93018	TRANSITIONAL	SCRUB	N34° 43' 34.32"	W112° 02' 03.23"	9.4	3,569.9		TRIM/REMOVE
93026	TRANSITIONAL	SCRUB	N34° 43' 34.39"	W112° 02' 03.13"	11.1	3,569.9		TRIM/REMOVE
93034	TRANSITIONAL	SCRUB	N34° 43' 34.30"	W112° 02' 02.62"	14.7	3,568.3		TRIM/REMOVE
93042	TRANSITIONAL	SCRUB	N34° 43' 34.56"	W112° 02' 02.74"	13.5	3,566.7		TRIM/REMOVE
93050	TRANSITIONAL	SCRUB	N34° 43' 34.53"	W112° 02' 02.63"	15.2	3,567.3		TRIM/REMOVE
93058	TRANSITIONAL	SCRUB	N34° 43' 34.70"	W112° 02' 02.55"	18.4	3,568.3		TRIM/REMOVE
93066	TRANSITIONAL	SCRUB	N34° 43' 34.93"	W112° 02' 02.60"	19.1	3,568.0		TRIM/REMOVE
93074	TRANSITIONAL	SCRUB	N34° 43' 35.02"	W112° 02' 02.84"	18.0	3,568.9		TRIM/REMOVE
93082	TRANSITIONAL	SCRUB	N34° 43' 34.89"	W112° 02' 02.81"	17.2	3,568.8		TRIM/REMOVE
93090	TRANSITIONAL	SCRUB	N34° 43' 34.40"	W112° 02' 02.43"	15.6	3,566.3		TRIM/REMOVE
93098	TRANSITIONAL	SCRUB	N34° 43' 34.20"	W112° 02' 02.30"	16.0	3,566.7		TRIM/REMOVE
93106	TRANSITIONAL	SCRUB	N34° 43' 34.00"	W112° 02' 02.26"	14.9	3,566.5		TRIM/REMOVE
93114	TRANSITIONAL	SCRUB	N34° 43' 33.51"	W112° 02' 01.99"	14.2	3,566.3		TRIM/REMOVE
93122	TRANSITIONAL	SCRUB	N34° 43' 33.63"	W112° 02' 02.10"	11.4	3,563.9		TRIM/REMOVE
93130	TRANSITIONAL	SCRUB	N34° 43' 33.77"	W112° 02' 02.26"	10.6	3,563.9		TRIM/REMOVE
93138	TRANSITIONAL	SCRUB	N34° 43' 33.69"	W112° 02' 01.94"	14.2	3,564.3		TRIM/REMOVE
93146	TRANSITIONAL	SCRUB	N34° 43' 33.23"	W112° 02' 01.84"	13.1	3,565.5		TRIM/REMOVE
93154	TRANSITIONAL	SCRUB	N34° 43' 32.74"	W112° 02' 01.81"	11.5	3,567.1		TRIM/REMOVE
93162	TRANSITIONAL	SCRUB	N34° 43' 32.56"	W112° 02' 01.60"	11.8	3,566.3		TRIM/REMOVE
93170	TRANSITIONAL	SCRUB	N34° 43' 32.41"	W112° 02' 01.59"	11.4	3,566.9		TRIM/REMOVE
93178	TRANSITIONAL	SCRUB	N34° 43' 32.05"	W112° 02' 01.66"	9.7	3,568.5		TRIM/REMOVE
93186	TRANSITIONAL	SCRUB	N34° 43' 30.72"	W112° 02' 01.45"	3.5	3,569.7		TRIM/REMOVE
93194	TRANSITIONAL	SCRUB	N34° 43' 31.99"	W112° 02' 01.47"	11.1	3,568.1		TRIM/REMOVE
93202	TRANSITIONAL	SCRUB	N34° 43' 30.89"	W112° 02' 01.17"	9.2	3,570.9		TRIM/REMOVE
93210	TRANSITIONAL	SCRUB	N34° 43' 30.76"	W112° 02' 01.05"	10.8	3,572.0		TRIM/REMOVE
93218	TRANSITIONAL	SCRUB	N34° 43' 31.14"	W112° 02' 00.86"	13.1	3,569.3		TRIM/REMOVE
93226	TRANSITIONAL	TREE	N34° 43' 31.63"	W112° 02' 01.16"	15.3	3,571.4		TRIM/REMOVE
93234	TRANSITIONAL	TREE	N34° 43' 31.50"	W112° 02' 00.98"	17.1	3,572.0		TRIM/REMOVE
93242	TRANSITIONAL	TREE	N34° 43' 33.50"	W112° 02' 02.17"	14.2	3,568.5		TRIM/REMOVE
93250	TRANSITIONAL	TREE	N34° 43' 33.06"	W112° 02' 02.39"	12.0	3,571.9		TRIM/REMOVE
93298	TRANSITIONAL	SCRUB	N34° 43' 35.63"	W112° 02' 04.58"	9.4	3,576.0		TRIM/REMOVE
93306	TRANSITIONAL	SCRUB	N34° 43' 36.13"	W112° 02' 04.31"	8.0	3,567.8		TRIM/REMOVE
93314	TRANSITIONAL	GROUND	N34° 43' 35.07"	W112° 02' 03.63"	8.3	3,568.0		PROVIDE OL
93322	TRANSITIONAL	GROUND	N34° 43' 35.72"	W112° 02' 03.33"	15.8	3,567.3		PROVIDE OL
93330	TRANSITIONAL	GROUND	N34° 43' 31.79"	W112° 02' 01.88"	4.7	3,568.0		PROVIDE OL
93338	TRANSITIONAL	GROUND	N34° 43' 29.26"	W112° 02' 00.08"	6.1	3,566.9		PROVIDE OL
93386	TRANSITIONAL	SCRUB	N34° 43' 29.49"	W112° 02' 01.13"	3.4	3,575.0		TRIM/REMOVE
93394	TRANSITIONAL	SCRUB	N34° 43' 29.31"	W112° 02' 01.03"	1.5	3,573.3		TRIM/REMOVE
93402	TRANSITIONAL	SCRUB	N34° 43' 28.19"	W112° 01' 59.45"	8.3	3,569.7		TRIM/REMOVE
93410	TRANSITIONAL	SCRUB	N34° 43' 27.81"	W112° 01' 59.15"	8.8	3,569.5		TRIM/REMOVE
93418	TRANSITIONAL	TREE	N34° 43' 27.59"	W112° 01' 59.40"	11.0	3,576.3		TRIM/REMOVE
93490	TRANSITIONAL	SCRUB	N34° 43' 34.16"	W112° 02' 03.70"	4.5	3,571.6		TRIM/REMOVE
93514	TRANSITIONAL	SCRUB	N34° 43' 30.76"	W112° 02' 02.07"	0.3	3,573.5		TRIM/REMOVE
93530	TRANSITIONAL	SCRUB	N34° 43' 30.07"	W112° 02' 01.60"	1.6	3,574.3		TRIM/REMOVE
93602	TRANSITIONAL	SCRUB	N34° 43' 24.29"	W112° 01' 58.42"	2.8	3,579.5		TRIM/REMOVE
93618	TRANSITIONAL	SCRUB	N34° 43' 23.60"	W112° 01' 58.00"	0.6	3,577.1		TRIM/REMOVE
93626	TRANSITIONAL	SCRUB	N34° 43' 24.24"	W112° 01' 57.93"	3.8	3,575.3		TRIM/REMOVE
93634	TRANSITIONAL	SCRUB	N34° 43' 25.19"	W112° 01' 57.64"	12.9	3,574.8		TRIM/REMOVE
93642	TRANSITIONAL	SCRUB	N34° 43' 25.33"	W112° 01' 57.61"	13.3	3,573.8		TRIM/REMOVE
93650	TRANSITIONAL	SCRUB	N34° 43' 25.70"	W112° 01' 57.63"	14.2	3,572.3		TRIM/REMOVE
93730	TRANSITIONAL	SCRUB	N34° 43' 25.45"	W112° 01' 57.30"	17.4	3,573.4		TRIM/REMOVE
93738	TRANSITIONAL	SCRUB	N34° 43' 25.49"	W112° 01' 57.45"	16.5	3,574.0		TRIM/REMOVE
93746	TRANSITIONAL	SCRUB	N34° 43' 25.07"	W112° 01' 57.32"	15.3	3,574.3		TRIM/REMOVE
93754	TRANSITIONAL	TREE	N34° 43' 25.16"	W112° 01' 57.14"	21.3	3,577.6		TRIM/REMOVE
93858	TRANSITIONAL	SCRUB	N34° 43' 24.62"	W112° 01' 56.94"	12.9	3,570.7		TRIM/REMOVE
93866	TRANSITIONAL	SCRUB	N34° 43' 24.32"	W112° 01' 56.90"	12.8	3,572.3		TRIM/REMOVE
93874	TRANSITIONAL	SCRUB	N34° 43' 24.39"	W112° 01' 56.81"	14.3	3,572.3		TRIM/REMOVE
93970	TRANSITIONAL	SCRUB	N34° 43' 22.70"	W112° 01' 56.46"	7.0	3,572.6		TRIM/REMOVE
93978	TRANSITIONAL	SCRUB	N34° 43' 22.69"	W112° 01' 56.90"	4.4	3,574.7		TRIM/REMOVE
93986	TRANSITIONAL	SCRUB	N34° 43' 23.12"	W112° 01' 57.29"	5.3	3,576.9		TRIM/REMOVE
94098	TRANSITIONAL	TREE	N34° 43' 45.53"	W112° 02' 09.38"	5.1	3,555.2		TRIM/REMOVE
209019	TRANSITIONAL	A/G_PIPE	N34° 43' 52.71"	W112° 02' 05.68"	3.2	3,537.1	1.5	REMOVE/LOWER/PROVIDE OL
209027	TRANSITIONAL	MISC_UTIL	N34° 43' 52.74"	W112° 02' 05.69"	3.2	3,537.1	1.8	PROVIDE OL
209035	TRANSITIONAL	MISC_UTIL	N34° 43' 52.51"	W112° 02' 05.44"	3.2	3,538.8	3.8	PROVIDE OL
HORIZONTAL SURFACE PENETRATION GROUP								
13343	HORIZONTAL	TREE	N34° 42' 48.98"	W112° 01' 56.44"	12.7	3,723.0		TRIM/REMOVE
13351	HORIZONTAL	TREE	N34° 42' 48.89"	W112° 01' 58.65"	62.4	3,772.7		TRIM/REMOVE
13391	HORIZONTAL	TREE	N34° 42' 45.11"	W112° 01' 56.28"	54.4	3,764.7		TRIM/REMOVE
13399	HORIZONTAL	TREE	N34° 42' 45.81"	W112° 01' 59.75"	73.7	3,784.0		TRIM/REMOVE
13407	HORIZONTAL	TREE	N34° 42' 46.86"	W112° 01' 56.79"	43.6	3,753.9		TRIM/REMOVE
13463	HORIZONTAL	TREE	N34° 42' 35.28"	W112° 01' 54.83"	9.2	3,719.5		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
HORIZONTAL SURFACE PENETRATION GROUP *(CONT.)*								
13471	HORIZONTAL	TREE	N34° 42' 34.51"	W112° 01' 57.39"	18.6	3,728.9		TRIM/REMOVE
13543	HORIZONTAL	TREE	N34° 42' 34.05"	W112° 01' 52.69"	3.6	3,713.9		TRIM/REMOVE
14613	HORIZONTAL	TREE	N34° 42' 47.70"	W112° 02' 01.64"	90.3	3,800.6		TRIM/REMOVE
14708	HORIZONTAL	TREE	N34° 43' 35.92"	W112° 02' 48.38"	0.2	3,710.5		TRIM/REMOVE
15870	HORIZONTAL	TREE	N34° 42' 39.53"	W112° 02' 07.75"	72.8	3,783.1		TRIM/REMOVE
15878	HORIZONTAL	TREE	N34° 42' 38.46"	W112° 02' 11.25"	90.9	3,801.2		TRIM/REMOVE
15886	HORIZONTAL	TREE	N34° 42' 39.58"	W112° 02' 12.96"	107.9	3,818.2		TRIM/REMOVE
15974	HORIZONTAL	TREE	N34° 42' 37.33"	W112° 02' 13.14"	94.5	3,804.8		TRIM/REMOVE
15990	HORIZONTAL	TREE	N34° 42' 39.14"	W112° 02' 14.43"	107.2	3,817.5		TRIM/REMOVE
15998	HORIZONTAL	TREE	N34° 42' 41.53"	W112° 02' 13.05"	55.8	3,766.1		TRIM/REMOVE
16006	HORIZONTAL	TREE	N34° 42' 43.75"	W112° 02' 13.58"	15.3	3,725.6		TRIM/REMOVE
16030	HORIZONTAL	TREE	N34° 42' 40.70"	W112° 02' 20.17"	40.9	3,751.2		TRIM/REMOVE
16038	HORIZONTAL	TREE	N34° 42' 39.75"	W112° 02' 17.71"	56.5	3,766.8		TRIM/REMOVE
16054	HORIZONTAL	TREE	N34° 42' 40.69"	W112° 02' 15.86"	50.2	3,760.5		TRIM/REMOVE
16086	HORIZONTAL	TREE	N34° 42' 43.42"	W112° 02' 19.42"	37.6	3,747.9		TRIM/REMOVE
16094	HORIZONTAL	TREE	N34° 42' 46.00"	W112° 02' 17.04"	17.3	3,727.6		TRIM/REMOVE
16102	HORIZONTAL	TREE	N34° 42' 47.17"	W112° 02' 15.51"	13.0	3,723.3		TRIM/REMOVE
16110	HORIZONTAL	TREE	N34° 42' 48.93"	W112° 02' 17.05"	7.8	3,718.1		TRIM/REMOVE
16118	HORIZONTAL	TREE	N34° 42' 48.31"	W112° 02' 18.55"	10.8	3,721.1		TRIM/REMOVE
16126	HORIZONTAL	TREE	N34° 42' 48.06"	W112° 02' 22.25"	29.2	3,739.5		TRIM/REMOVE
16134	HORIZONTAL	TREE	N34° 42' 46.07"	W112° 02' 24.53"	37.2	3,747.5		TRIM/REMOVE
16142	HORIZONTAL	TREE	N34° 42' 47.44"	W112° 02' 25.24"	38.0	3,748.3		TRIM/REMOVE
16150	HORIZONTAL	TREE	N34° 42' 50.81"	W112° 02' 21.32"	22.3	3,732.6		TRIM/REMOVE
16158	HORIZONTAL	TREE	N34° 42' 51.35"	W112° 02' 18.60"	5.0	3,715.3		TRIM/REMOVE
16174	HORIZONTAL	TREE	N34° 42' 54.71"	W112° 02' 22.21"	1.3	3,711.6		TRIM/REMOVE
16182	HORIZONTAL	TREE	N34° 42' 53.95"	W112° 02' 26.29"	18.9	3,729.2		TRIM/REMOVE
16190	HORIZONTAL	TREE	N34° 42' 53.71"	W112° 02' 29.12"	23.5	3,733.8		TRIM/REMOVE
16198	HORIZONTAL	TREE	N34° 42' 51.18"	W112° 02' 27.26"	29.5	3,739.8		TRIM/REMOVE
16206	HORIZONTAL	TREE	N34° 42' 52.44"	W112° 02' 24.00"	16.5	3,726.8		TRIM/REMOVE
16214	HORIZONTAL	TREE	N34° 42' 45.70"	W112° 02' 19.42"	19.8	3,730.1		TRIM/REMOVE
16222	HORIZONTAL	TREE	N34° 42' 43.85"	W112° 02' 17.25"	21.9	3,732.2		TRIM/REMOVE
16230	HORIZONTAL	TREE	N34° 42' 44.94"	W112° 02' 14.71"	7.0	3,717.3		TRIM/REMOVE
16238	HORIZONTAL	TREE	N34° 42' 44.55"	W112° 02' 22.56"	34.7	3,745.0		TRIM/REMOVE
16246	HORIZONTAL	TREE	N34° 42' 42.12"	W112° 02' 22.75"	41.9	3,752.2		TRIM/REMOVE
16254	HORIZONTAL	TREE	N34° 42' 45.46"	W112° 02' 20.96"	19.7	3,730.0		TRIM/REMOVE
16262	HORIZONTAL	TREE	N34° 42' 48.06"	W112° 02' 20.65"	17.0	3,727.3		TRIM/REMOVE
16270	HORIZONTAL	TREE	N34° 42' 50.80"	W112° 02' 23.73"	19.8	3,730.1		TRIM/REMOVE
16278	HORIZONTAL	TREE	N34° 42' 49.75"	W112° 02' 26.41"	25.7	3,736.0		TRIM/REMOVE
16286	HORIZONTAL	TREE	N34° 42' 58.75"	W112° 02' 30.23"	14.6	3,724.9		TRIM/REMOVE
16302	HORIZONTAL	TREE	N34° 43' 03.15"	W112° 02' 31.71"	3.1	3,713.4		TRIM/REMOVE
16342	HORIZONTAL	TREE	N34° 43' 00.36"	W112° 02' 27.68"	7.0	3,717.3		TRIM/REMOVE
16374	HORIZONTAL	TREE	N34° 42' 56.18"	W112° 02' 24.11"	11.3	3,721.6		TRIM/REMOVE
16382	HORIZONTAL	TREE	N34° 42' 59.66"	W112° 02' 24.76"	1.8	3,712.1		TRIM/REMOVE
16422	HORIZONTAL	TREE	N34° 43' 01.59"	W112° 02' 30.61"	11.8	3,722.1		TRIM/REMOVE
16430	HORIZONTAL	TREE	N34° 42' 57.07"	W112° 02' 27.92"	17.7	3,728.0		TRIM/REMOVE
16438	HORIZONTAL	TREE	N34° 42' 57.16"	W112° 02' 30.92"	22.8	3,733.1		TRIM/REMOVE
16454	HORIZONTAL	TREE	N34° 42' 53.15"	W112° 02' 22.43"	10.5	3,720.8		TRIM/REMOVE
16462	HORIZONTAL	TREE	N34° 42' 53.65"	W112° 02' 19.16"	1.7	3,712.0		TRIM/REMOVE
16470	HORIZONTAL	TREE	N34° 42' 55.44"	W112° 02' 28.88"	26.9	3,737.2		TRIM/REMOVE
16478	HORIZONTAL	TREE	N34° 42' 54.78"	W112° 02' 24.61"	6.8	3,717.1		TRIM/REMOVE
16494	HORIZONTAL	TREE	N34° 42' 52.01"	W112° 02' 20.04"	7.8	3,718.1		TRIM/REMOVE
16502	HORIZONTAL	TREE	N34° 42' 49.21"	W112° 02' 24.33"	22.3	3,732.7		TRIM/REMOVE
16510	HORIZONTAL	TREE	N34° 42' 52.44"	W112° 02' 25.52"	21.6	3,731.9		TRIM/REMOVE
16518	HORIZONTAL	TREE	N34° 43' 14.20"	W112° 02' 38.69"	125.0	3,835.3		TRIM/REMOVE
16526	HORIZONTAL	TREE	N34° 43' 11.34"	W112° 02' 38.81"	44.4	3,754.7		TRIM/REMOVE
16534	HORIZONTAL	TREE	N34° 43' 11.93"	W112° 02' 36.50"	58.2	3,768.5		TRIM/REMOVE
16550	HORIZONTAL	TREE	N34° 43' 14.60"	W112° 02' 37.49"	118.4	3,828.7		TRIM/REMOVE
16558	HORIZONTAL	TREE	N34° 43' 14.25"	W112° 02' 40.46"	108.7	3,819.0		TRIM/REMOVE
16566	HORIZONTAL	TREE	N34° 43' 16.82"	W112° 02' 41.76"	20.3	3,730.6		TRIM/REMOVE
16574	HORIZONTAL	TREE	N34° 43' 16.77"	W112° 02' 39.37"	37.7	3,748.0		TRIM/REMOVE
16582	HORIZONTAL	TREE	N34° 43' 17.52"	W112° 02' 36.76"	17.9	3,728.2		TRIM/REMOVE
16598	HORIZONTAL	TREE	N34° 43' 17.33"	W112° 02' 34.23"	3.3	3,713.6		TRIM/REMOVE
16622	HORIZONTAL	TREE	N34° 43' 15.12"	W112° 02' 33.54"	11.7	3,722.0		TRIM/REMOVE
16630	HORIZONTAL	TREE	N34° 43' 14.63"	W112° 02' 35.71"	81.8	3,792.1		TRIM/REMOVE
17126	HORIZONTAL	TREE	N34° 42' 47.93"	W112° 02' 13.80"	0.2	3,710.5		TRIM/REMOVE
17894	HORIZONTAL	TREE	N34° 42' 49.87"	W112° 02' 03.56"	9.2	3,719.5		TRIM/REMOVE
17934	HORIZONTAL	TREE	N34° 42' 44.55"	W112° 02' 11.77"	6.8	3,717.1		TRIM/REMOVE
17942	HORIZONTAL	TREE	N34° 42' 45.10"	W112° 02' 08.42"	26.0	3,736.3		TRIM/REMOVE
17958	HORIZONTAL	TREE	N34° 42' 41.01"	W112° 02' 10.75"	87.6	3,797.9		TRIM/REMOVE
17966	HORIZONTAL	TREE	N34° 42' 43.42"	W112° 02' 10.81"	32.3	3,742.6		TRIM/REMOVE
17990	HORIZONTAL	TREE	N34° 42' 43.26"	W112° 02' 04.65"	75.6	3,785.9		TRIM/REMOVE
17998	HORIZONTAL	TREE	N34° 42' 45.16"	W112° 02' 03.14"	90.7	3,801.0		TRIM/REMOVE
18006	HORIZONTAL	TREE	N34° 42' 45.40"	W112° 02' 00.91"	73.4	3,783.7		TRIM/REMOVE
18022	HORIZONTAL	TREE	N34° 42' 45.64"	W112° 02' 05.57"	61.6	3,771.9		TRIM/REMOVE
18062	HORIZONTAL	TREE	N34° 42' 41.38"	W112° 02' 03.42"	48.3	3,758.6		TRIM/REMOVE
18078	HORIZONTAL	TREE	N34° 42' 43.68"	W112° 02' 02.47"	50.1	3,760.4		TRIM/REMOVE
18102	HORIZONTAL	TREE	N34° 42' 37.85"	W112° 02' 05.14"	42.2	3,752.5		TRIM/REMOVE
18110	HORIZONTAL	TREE	N34° 42' 39.74"	W112° 02' 05.29"	50.6	3,760.9		TRIM/REMOVE
18118	HORIZONTAL	TREE	N34° 42' 37.50"	W112° 02' 07.51"	55.5	3,765.8		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
HORIZONTAL SURFACE PENETRATION GROUP *(CONT.)*								
18142	HORIZONTAL	TREE	N34° 42' 35.40"	W112° 02' 05.63"	44.9	3,755.2		TRIM/REMOVE
18150	HORIZONTAL	TREE	N34° 42' 35.88"	W112° 02' 04.13"	31.0	3,741.3		TRIM/REMOVE
22224	HORIZONTAL	TREE	N34° 42' 42.89"	W112° 02' 25.88"	51.7	3,762.0		TRIM/REMOVE
22288	HORIZONTAL	TREE	N34° 42' 45.39"	W112° 02' 27.95"	51.4	3,761.7		TRIM/REMOVE
22296	HORIZONTAL	TREE	N34° 42' 47.33"	W112° 02' 26.83"	51.7	3,762.0		TRIM/REMOVE
22304	HORIZONTAL	TREE	N34° 42' 49.52"	W112° 02' 27.79"	36.7	3,747.0		TRIM/REMOVE
22312	HORIZONTAL	TREE	N34° 42' 50.18"	W112° 02' 29.76"	44.0	3,754.3		TRIM/REMOVE
22320	HORIZONTAL	TREE	N34° 42' 49.67"	W112° 02' 31.92"	52.9	3,763.2		TRIM/REMOVE
22328	HORIZONTAL	TREE	N34° 42' 47.49"	W112° 02' 31.25"	51.2	3,761.5		TRIM/REMOVE
22336	HORIZONTAL	TREE	N34° 42' 45.96"	W112° 02' 30.91"	58.8	3,769.1		TRIM/REMOVE
22344	HORIZONTAL	TREE	N34° 42' 48.21"	W112° 02' 28.55"	40.5	3,750.8		TRIM/REMOVE
22352	HORIZONTAL	TREE	N34° 42' 46.72"	W112° 02' 29.17"	46.8	3,757.1		TRIM/REMOVE
22376	HORIZONTAL	TREE	N34° 42' 49.57"	W112° 02' 34.07"	54.2	3,764.5		TRIM/REMOVE
22616	HORIZONTAL	TREE	N34° 43' 14.37"	W112° 02' 53.44"	105.3	3,815.6		TRIM/REMOVE
22624	HORIZONTAL	TREE	N34° 43' 13.68"	W112° 02' 51.10"	102.6	3,812.9		TRIM/REMOVE
22632	HORIZONTAL	TREE	N34° 43' 12.75"	W112° 02' 45.93"	73.9	3,784.2		TRIM/REMOVE
22640	HORIZONTAL	TREE	N34° 43' 13.67"	W112° 02' 43.28"	104.4	3,814.7		TRIM/REMOVE
22648	HORIZONTAL	TREE	N34° 43' 13.66"	W112° 02' 41.28"	120.4	3,830.7		TRIM/REMOVE
23424	HORIZONTAL	TREE	N34° 43' 25.59"	W112° 02' 51.63"	28.0	3,738.3		TRIM/REMOVE
23432	HORIZONTAL	TREE	N34° 43' 24.64"	W112° 02' 52.55"	30.1	3,740.4		TRIM/REMOVE
23440	HORIZONTAL	TREE	N34° 43' 24.12"	W112° 02' 54.34"	29.9	3,740.2		TRIM/REMOVE
23448	HORIZONTAL	TREE	N34° 43' 23.14"	W112° 02' 57.06"	36.8	3,747.1		TRIM/REMOVE
23520	HORIZONTAL	TREE	N34° 43' 18.06"	W112° 02' 54.68"	48.5	3,758.8		TRIM/REMOVE
23528	HORIZONTAL	TREE	N34° 43' 18.08"	W112° 02' 51.79"	47.5	3,757.8		TRIM/REMOVE
23536	HORIZONTAL	TREE	N34° 43' 18.98"	W112° 02' 49.62"	34.6	3,744.9		TRIM/REMOVE
23544	HORIZONTAL	TREE	N34° 43' 20.68"	W112° 02' 47.42"	15.3	3,725.6		TRIM/REMOVE
23552	HORIZONTAL	TREE	N34° 43' 16.83"	W112° 02' 46.79"	29.7	3,740.0		TRIM/REMOVE
23560	HORIZONTAL	TREE	N34° 43' 17.76"	W112° 02' 44.79"	19.4	3,729.7		TRIM/REMOVE
23568	HORIZONTAL	TREE	N34° 43' 15.66"	W112° 02' 43.75"	51.4	3,761.7		TRIM/REMOVE
23576	HORIZONTAL	TREE	N34° 43' 14.55"	W112° 02' 46.52"	44.6	3,754.9		TRIM/REMOVE
23584	HORIZONTAL	TREE	N34° 43' 13.88"	W112° 02' 48.42"	72.5	3,782.8		TRIM/REMOVE
23592	HORIZONTAL	TREE	N34° 43' 15.70"	W112° 02' 49.44"	44.8	3,755.1		TRIM/REMOVE
23600	HORIZONTAL	TREE	N34° 43' 20.72"	W112° 02' 49.07"	22.7	3,733.0		TRIM/REMOVE
23608	HORIZONTAL	TREE	N34° 43' 22.03"	W112° 02' 51.11"	17.8	3,728.1		TRIM/REMOVE
23616	HORIZONTAL	TREE	N34° 43' 21.27"	W112° 02' 52.43"	27.6	3,737.9		TRIM/REMOVE
23624	HORIZONTAL	TREE	N34° 43' 20.65"	W112° 02' 54.16"	36.2	3,746.5		TRIM/REMOVE
23632	HORIZONTAL	TREE	N34° 43' 19.84"	W112° 02' 55.97"	39.7	3,750.0		TRIM/REMOVE
23656	HORIZONTAL	TREE	N34° 43' 21.68"	W112° 02' 55.91"	32.1	3,742.4		TRIM/REMOVE
23664	HORIZONTAL	TREE	N34° 43' 28.93"	W112° 02' 56.30"	14.3	3,724.6		TRIM/REMOVE
23672	HORIZONTAL	TREE	N34° 43' 26.50"	W112° 02' 55.35"	15.1	3,725.4		TRIM/REMOVE
23680	HORIZONTAL	TREE	N34° 43' 26.02"	W112° 02' 57.54"	20.2	3,730.5		TRIM/REMOVE
23688	HORIZONTAL	TREE	N34° 43' 29.49"	W112° 02' 59.64"	21.3	3,731.6		TRIM/REMOVE
24072	HORIZONTAL	TREE	N34° 43' 11.31"	W112° 02' 49.21"	73.5	3,783.8		TRIM/REMOVE
24080	HORIZONTAL	TREE	N34° 43' 10.41"	W112° 02' 45.39"	41.3	3,751.6		TRIM/REMOVE
24088	HORIZONTAL	TREE	N34° 43' 09.72"	W112° 02' 49.01"	78.2	3,788.5		TRIM/REMOVE
24104	HORIZONTAL	TREE	N34° 43' 07.83"	W112° 02' 47.12"	33.3	3,743.6		TRIM/REMOVE
24112	HORIZONTAL	TREE	N34° 43' 08.02"	W112° 02' 44.20"	18.4	3,728.7		TRIM/REMOVE
24120	HORIZONTAL	TREE	N34° 43' 05.88"	W112° 02' 46.82"	41.1	3,751.4		TRIM/REMOVE
24128	HORIZONTAL	TREE	N34° 43' 05.01"	W112° 02' 48.53"	45.9	3,756.2		TRIM/REMOVE
25280	HORIZONTAL	TREE	N34° 43' 29.64"	W112° 03' 01.22"	25.8	3,736.1		TRIM/REMOVE
25288	HORIZONTAL	TREE	N34° 43' 27.37"	W112° 02' 59.15"	22.7	3,733.0		TRIM/REMOVE
28600	HORIZONTAL	TREE	N34° 42' 58.63"	W112° 02' 43.77"	55.9	3,766.2		TRIM/REMOVE
28608	HORIZONTAL	TREE	N34° 43' 01.04"	W112° 02' 41.93"	43.0	3,753.3		TRIM/REMOVE
28616	HORIZONTAL	TREE	N34° 43' 00.53"	W112° 02' 45.02"	47.9	3,758.2		TRIM/REMOVE
28624	HORIZONTAL	TREE	N34° 43' 02.90"	W112° 02' 46.04"	43.2	3,753.5		TRIM/REMOVE
28632	HORIZONTAL	TREE	N34° 43' 06.21"	W112° 02' 43.59"	33.6	3,743.9		TRIM/REMOVE
29835	HORIZONTAL	TREE	N34° 42' 53.07"	W112° 02' 39.58"	62.5	3,772.8		TRIM/REMOVE
29923	HORIZONTAL	TREE	N34° 42' 50.79"	W112° 02' 35.64"	63.5	3,773.8		TRIM/REMOVE
29931	HORIZONTAL	TREE	N34° 42' 52.85"	W112° 02' 36.71"	57.4	3,767.7		TRIM/REMOVE
29939	HORIZONTAL	TREE	N34° 42' 56.48"	W112° 02' 38.29"	47.9	3,758.2		TRIM/REMOVE
29947	HORIZONTAL	TREE	N34° 42' 57.51"	W112° 02' 39.33"	53.5	3,763.8		TRIM/REMOVE
29955	HORIZONTAL	TREE	N34° 42' 57.87"	W112° 02' 40.75"	58.4	3,768.7		TRIM/REMOVE
29963	HORIZONTAL	TREE	N34° 42' 55.35"	W112° 02' 39.76"	55.1	3,765.4		TRIM/REMOVE
29971	HORIZONTAL	TREE	N34° 42' 54.98"	W112° 02' 35.36"	43.4	3,753.7		TRIM/REMOVE
29979	HORIZONTAL	TREE	N34° 42' 56.36"	W112° 02' 36.22"	44.0	3,754.3		TRIM/REMOVE
29987	HORIZONTAL	TREE	N34° 42' 58.62"	W112° 02' 37.82"	40.1	3,750.4		TRIM/REMOVE
29995	HORIZONTAL	TREE	N34° 43' 00.39"	W112° 02' 39.95"	43.6	3,753.9		TRIM/REMOVE
30003	HORIZONTAL	TREE	N34° 43' 02.56"	W112° 02' 39.42"	30.3	3,740.6		TRIM/REMOVE
30011	HORIZONTAL	TREE	N34° 43' 05.30"	W112° 02' 38.33"	15.3	3,725.6		TRIM/REMOVE
30019	HORIZONTAL	TREE	N34° 43' 07.37"	W112° 02' 39.89"	21.1	3,731.4		TRIM/REMOVE
30027	HORIZONTAL	TREE	N34° 43' 05.25"	W112° 02' 41.44"	31.7	3,742.0		TRIM/REMOVE
30035	HORIZONTAL	TREE	N34° 43' 03.79"	W112° 02' 41.45"	34.0	3,744.3		TRIM/REMOVE
30043	HORIZONTAL	TREE	N34° 43' 03.55"	W112° 02' 43.92"	39.3	3,749.6		TRIM/REMOVE
30051	HORIZONTAL	TREE	N34° 43' 06.00"	W112° 02' 45.28"	33.2	3,743.5		TRIM/REMOVE
30059	HORIZONTAL	TREE	N34° 43' 03.05"	W112° 02' 37.15"	21.3	3,731.6		TRIM/REMOVE
30075	HORIZONTAL	TREE	N34° 43' 03.17"	W112° 02' 34.89"	16.6	3,726.9		TRIM/REMOVE
30083	HORIZONTAL	TREE	N34° 43' 05.14"	W112° 02' 36.49"	10.0	3,720.3		TRIM/REMOVE
30091	HORIZONTAL	TREE	N34° 42' 58.40"	W112° 02' 35.45"	37.1	3,747.4		TRIM/REMOVE
30099	HORIZONTAL	TREE	N34° 42' 57.68"	W112° 02' 33.15"	29.3	3,739.6		TRIM/REMOVE

NOTES

1. SURVEY PERFORMED JULY 2020.
2. PART 77 SURFACES BASED ON 14 CFR PART 77.
3. PART 77 APPROACH SURFACES SHOWN ON SHEET 34 - INNER PORTION OF THE APPROACH SURFACE DRAWING; PART 77 APPROACH SURFACE OBSTRUCTIONS LISTED ON SHEETS 35-36.
4. TRAVERSEWAY ELEVATIONS INCLUDE THE FOLLOWING ADJUSTMENTS: PRIVATE ROADS: 10', PUBLIC ROADS: 15'. NO INTERSTATE HIGHWAYS OR RAILROADS ARE LOCATED IN THE IMMEDIATE VICINITY OF THE AIRPORT.
5. SURVEY IDENTIFIED A TOTAL OF 6,298 OBSTRUCTIONS TO PART 77 SURFACES, NOT INCLUDING PART 77 APPROACH SURFACES. OBSTRUCTIONS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT TOP 2% OF PENETRATIONS TO EACH PART 77 SURFACE.
6. OBSTRUCTION GROUPS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT APPROXIMATE LOCATION OF ALL OBSTRUCTIONS. COMPREHENSIVE LISTS OF OBSTRUCTIONS TO EACH PART 77 SURFACE, NOT INCLUDING PART 77 APPROACH SURFACES, ARE INCLUDED ON SHEETS 7-33.
7. OBSTRUCTION DESCRIPTIONS ARE GROUPED IN THE SUMMARY TABLE ON SHEET 6 - AIRPORT AIRSPACE DRAWING PER THE FOLLOWING: VEGETATION = BUSH, SCRUB, TREE; GROUND = GROUND; BUILDINGS/HANGARS = BUILDING, HANGAR; POLES/TOWERS = ANTENNA, BEACON, POLE, POLE_LIGHT, POLE_UTIL, POST, TRANSMISSION_PYLON, VERTICAL_POINT; NAVAIDS = PAPI, PAPI_CONTROL_BOX, REIL, SIGN, WINDSOCK; GROUND TRANSPORTATION = PARKING_LOT, ROAD - PRIVATE, ROAD - PUBLIC, STREET SIGN; UTILITY INFRASTRUCTURE = A/G PIPE, DAM, ELEC_BOX, MISC_UTIL, SOLAR_PANELS, TANK, TRANSFORMER; FENCE = FENCE, GATE; OTHER = CANOPY, DIRT_PILE, WALL
8. ALL HEIGHTS SHOWN IN FEET.
9. OBSTRUCTION HEIGHT ABOVE GROUND LEVEL PROVIDED WHERE AVAILABLE.
10. DEFINITIONS: PEN = PENETRATION; MSL = MEAN SEA LEVEL; AGL = ABOVE GROUND LEVEL; OL = OBSTRUCTION LIGHTING; DNH = DETERMINATION OF NO HAZARD

NO.	DATE	REVISIONS	BY	APPR.
5				
4				
3				
2				
1				

Kimley»Horn

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COTTONWOOD MUNICIPAL AIRPORT
COTTONWOOD, AZ

AIRPORT AIRSPACE DRAWING - PART 77 SURFACE PENETRATION TABLES (12 OF 27)

JOB NO. 291447000	DRAWN KH	CHECKED CBW	
DATE: DECEMBER 2022	DESIGNED JTC	APPROVED CBW	SHEET 18 OF 40

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
HORIZONTAL SURFACE PENETRATION GROUP *(CONT.)*								
30107	HORIZONTAL	TREE	N34° 42' 54.17"	W112° 02' 31.45"	33.4	3,743.7		TRIM/REMOVE
30115	HORIZONTAL	TREE	N34° 42' 52.87"	W112° 02' 34.19"	47.1	3,757.4		TRIM/REMOVE
30123	HORIZONTAL	TREE	N34° 42' 51.00"	W112° 02' 33.28"	47.5	3,757.8		TRIM/REMOVE
30131	HORIZONTAL	TREE	N34° 42' 51.93"	W112° 02' 31.02"	38.1	3,748.4		TRIM/REMOVE
30147	HORIZONTAL	TREE	N34° 43' 00.03"	W112° 02' 33.45"	26.0	3,736.3		TRIM/REMOVE
30155	HORIZONTAL	TREE	N34° 43' 01.52"	W112° 02' 32.66"	10.0	3,720.3		TRIM/REMOVE
35315	HORIZONTAL	DIRT_PILE	N34° 43' 33.30"	W112° 02' 49.48"	6.3	3,716.6	11.9	REMOVE/LOWER/PROVIDE OL
35323	HORIZONTAL	DIRT_PILE	N34° 43' 32.98"	W112° 02' 51.69"	13.3	3,723.6	13.1	REMOVE/LOWER/PROVIDE OL
35338	HORIZONTAL	TREE	N34° 43' 38.89"	W112° 03' 03.81"	49.4	3,759.7		TRIM/REMOVE
35346	HORIZONTAL	TREE	N34° 43' 37.08"	W112° 03' 04.47"	21.7	3,732.0		TRIM/REMOVE
35354	HORIZONTAL	TREE	N34° 43' 37.14"	W112° 03' 01.10"	15.4	3,725.7		TRIM/REMOVE
45997	HORIZONTAL	TREE	N34° 42' 47.72"	W112° 02' 04.55"	41.3	3,751.6		TRIM/REMOVE
47523	HORIZONTAL	TREE	N34° 42' 35.63"	W112° 01' 56.67"	1.6	3,711.9		TRIM/REMOVE
47648	HORIZONTAL	TREE	N34° 42' 45.56"	W112° 01' 55.05"	38.7	3,749.0		TRIM/REMOVE
47656	HORIZONTAL	TREE	N34° 42' 43.89"	W112° 01' 57.16"	25.2	3,735.5		TRIM/REMOVE
47664	HORIZONTAL	TREE	N34° 42' 45.16"	W112° 01' 58.08"	56.4	3,766.7		TRIM/REMOVE
47688	HORIZONTAL	TREE	N34° 42' 50.14"	W112° 01' 58.30"	27.2	3,737.5		TRIM/REMOVE
47698	HORIZONTAL	TREE	N34° 42' 50.29"	W112° 02' 00.42"	30.3	3,740.6		TRIM/REMOVE
47706	HORIZONTAL	TREE	N34° 42' 49.89"	W112° 02' 01.73"	43.6	3,753.9		TRIM/REMOVE
47842	HORIZONTAL	TREE	N34° 42' 35.59"	W112° 02' 01.64"	19.7	3,730.0		TRIM/REMOVE
48512	HORIZONTAL	TREE	N34° 43' 23.65"	W112° 02' 45.29"	6.6	3,716.9		TRIM/REMOVE
48568	HORIZONTAL	TREE	N34° 43' 13.64"	W112° 02' 34.29"	46.0	3,756.3		TRIM/REMOVE
48584	HORIZONTAL	TREE	N34° 43' 10.06"	W112° 02' 35.67"	3.2	3,713.5		TRIM/REMOVE
48593	HORIZONTAL	TREE	N34° 43' 10.43"	W112° 02' 40.34"	30.3	3,740.6		TRIM/REMOVE
48601	HORIZONTAL	TREE	N34° 43' 12.33"	W112° 02' 42.43"	71.6	3,781.9		TRIM/REMOVE
48609	HORIZONTAL	TREE	N34° 43' 09.83"	W112° 02' 42.88"	22.3	3,732.6		TRIM/REMOVE
48617	HORIZONTAL	TREE	N34° 43' 10.03"	W112° 02' 47.06"	71.0	3,781.3		TRIM/REMOVE
49270	HORIZONTAL	SCRUB	N34° 42' 38.46"	W112° 02' 09.84"	70.4	3,780.7		TRIM/REMOVE
49278	HORIZONTAL	TREE	N34° 42' 43.65"	W112° 02' 09.12"	54.0	3,764.3		TRIM/REMOVE
49286	HORIZONTAL	TREE	N34° 42' 43.61"	W112° 02' 06.20"	86.0	3,796.3		TRIM/REMOVE
49753	HORIZONTAL	TREE	N34° 42' 38.76"	W112° 02' 15.95"	108.4	3,818.7		TRIM/REMOVE
49761	HORIZONTAL	TREE	N34° 42' 41.09"	W112° 02' 08.36"	84.4	3,794.7		TRIM/REMOVE
49777	HORIZONTAL	TREE	N34° 42' 41.60"	W112° 02' 05.34"	70.5	3,780.8		TRIM/REMOVE
49785	HORIZONTAL	SCRUB	N34° 42' 42.40"	W112° 02' 07.37"	79.4	3,789.7		TRIM/REMOVE
49793	HORIZONTAL	TREE	N34° 42' 46.36"	W112° 02' 07.05"	22.5	3,732.8		TRIM/REMOVE
49809	HORIZONTAL	TREE	N34° 42' 41.74"	W112° 02' 18.84"	36.5	3,746.8		TRIM/REMOVE
49817	HORIZONTAL	TREE	N34° 42' 42.75"	W112° 02' 16.57"	27.6	3,737.9		TRIM/REMOVE
49825	HORIZONTAL	TREE	N34° 42' 42.80"	W112° 02' 21.55"	41.8	3,752.1		TRIM/REMOVE
49841	HORIZONTAL	SCRUB	N34° 42' 43.57"	W112° 02' 24.38"	39.9	3,750.2		TRIM/REMOVE
49849	HORIZONTAL	SCRUB	N34° 42' 45.29"	W112° 02' 25.99"	41.3	3,751.6		TRIM/REMOVE
51856	HORIZONTAL	TREE	N34° 43' 19.22"	W112° 02' 43.10"	15.7	3,726.0		TRIM/REMOVE
51864	HORIZONTAL	TREE	N34° 43' 19.27"	W112° 02' 46.50"	10.4	3,720.7		TRIM/REMOVE
51872	HORIZONTAL	TREE	N34° 43' 22.04"	W112° 02' 46.88"	14.7	3,725.0		TRIM/REMOVE
51880	HORIZONTAL	TREE	N34° 43' 23.42"	W112° 02' 49.44"	9.1	3,719.4		TRIM/REMOVE
51888	HORIZONTAL	TREE	N34° 43' 25.27"	W112° 02' 49.58"	11.6	3,721.9		TRIM/REMOVE
51896	HORIZONTAL	TREE	N34° 43' 27.24"	W112° 02' 49.42"	2.5	3,712.8		TRIM/REMOVE
51904	HORIZONTAL	TREE	N34° 43' 27.99"	W112° 02' 52.20"	7.5	3,717.8		TRIM/REMOVE
51912	HORIZONTAL	TREE	N34° 43' 29.05"	W112° 02' 54.17"	8.9	3,719.2		TRIM/REMOVE
51920	HORIZONTAL	TREE	N34° 43' 18.93"	W112° 02' 41.14"	4.4	3,714.7		TRIM/REMOVE
51976	HORIZONTAL	TREE	N34° 43' 18.38"	W112° 02' 38.53"	4.3	3,714.6		TRIM/REMOVE
54177	HORIZONTAL	TREE	N34° 43' 35.77"	W112° 03' 02.40"	11.7	3,722.0		TRIM/REMOVE
54185	HORIZONTAL	TREE	N34° 43' 33.94"	W112° 03' 03.24"	5.9	3,716.2		TRIM/REMOVE
54274	HORIZONTAL	TREE	N34° 43' 30.97"	W112° 03' 01.49"	16.4	3,726.7		TRIM/REMOVE
54282	HORIZONTAL	TREE	N34° 43' 32.02"	W112° 02' 58.58"	10.9	3,721.2		TRIM/REMOVE
54644	HORIZONTAL	SCRUB	N34° 43' 11.00"	W112° 02' 51.36"	89.8	3,800.1		TRIM/REMOVE
54652	HORIZONTAL	TREE	N34° 43' 16.02"	W112° 02' 51.85"	69.1	3,779.4		TRIM/REMOVE
54940	HORIZONTAL	SCRUB	N34° 42' 54.77"	W112° 02' 37.68"	48.0	3,758.3		TRIM/REMOVE
54948	HORIZONTAL	SCRUB	N34° 42' 54.29"	W112° 02' 33.07"	39.0	3,749.3		TRIM/REMOVE
54956	HORIZONTAL	SCRUB	N34° 42' 55.83"	W112° 02' 33.20"	32.6	3,742.9		TRIM/REMOVE
54964	HORIZONTAL	SCRUB	N34° 43' 01.21"	W112° 02' 36.16"	20.3	3,730.6		TRIM/REMOVE
54972	HORIZONTAL	SCRUB	N34° 43' 00.04"	W112° 02' 31.75"	10.9	3,721.2		TRIM/REMOVE
54988	HORIZONTAL	SCRUB	N34° 42' 58.42"	W112° 02' 26.37"	5.0	3,715.3		TRIM/REMOVE
55462	HORIZONTAL	TREE	N34° 42' 59.86"	W112° 02' 38.52"	42.1	3,752.4		TRIM/REMOVE
55470	HORIZONTAL	TREE	N34° 43' 05.00"	W112° 02' 34.72"	9.1	3,719.4		TRIM/REMOVE
55478	HORIZONTAL	TREE	N34° 42' 58.83"	W112° 02' 28.69"	18.1	3,728.4		TRIM/REMOVE
55486	HORIZONTAL	TREE	N34° 42' 55.89"	W112° 02' 26.54"	17.0	3,727.3		TRIM/REMOVE
55558	HORIZONTAL	TREE	N34° 43' 07.40"	W112° 02' 36.45"	16.2	3,726.5		TRIM/REMOVE
55566	HORIZONTAL	TREE	N34° 43' 08.39"	W112° 02' 38.15"	9.0	3,719.3		TRIM/REMOVE
55574	HORIZONTAL	TREE	N34° 42' 59.13"	W112° 02' 42.25"	47.6	3,757.9		TRIM/REMOVE
56262	HORIZONTAL	TREE	N34° 42' 47.90"	W112° 01' 59.93"	87.2	3,797.5		TRIM/REMOVE
56270	HORIZONTAL	TREE	N34° 42' 46.81"	W112° 01' 59.83"	76.8	3,787.1		TRIM/REMOVE
56278	HORIZONTAL	TREE	N34° 42' 48.82"	W112° 02' 00.62"	75.3	3,785.6		TRIM/REMOVE
56289	HORIZONTAL	TREE	N34° 42' 47.43"	W112° 01' 58.96"	71.5	3,781.8		TRIM/REMOVE
56338	HORIZONTAL	ELEC_BOX	N34° 42' 48.57"	W112° 02' 00.35"	70.7	3,781.0	2.8	REMOVE/LOWER/PROVIDE OL
56941	HORIZONTAL	TREE	N34° 42' 46.34"	W112° 02' 22.81"	27.7	3,738.0		TRIM/REMOVE
56949	HORIZONTAL	TREE	N34° 42' 50.93"	W112° 02' 25.22"	23.2	3,733.5		TRIM/REMOVE
56957	HORIZONTAL	TREE	N34° 42' 51.93"	W112° 02' 29.40"	32.6	3,742.9		TRIM/REMOVE
57150	HORIZONTAL	TREE	N34° 43' 16.54"	W112° 02' 54.85"	67.5	3,777.8		TRIM/REMOVE
57441	HORIZONTAL	ROAD - PRIVATE	N34° 42' 46.71"	W112° 02' 01.99"	85.8	3,806.1	10.0	DNH

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
HORIZONTAL SURFACE PENETRATION GROUP *(CONT.)*								
94410	HORIZONTAL	TREE	N34° 42' 52.79"	W112° 02' 19.64"	3.2	3,713.5		TRIM/REMOVE
94418	HORIZONTAL	TREE	N34° 42' 52.51"	W112° 02' 19.27"	1.9	3,712.2		TRIM/REMOVE
94426	HORIZONTAL	TREE	N34° 42' 52.33"	W112° 02' 19.12"	3.7	3,714.0		TRIM/REMOVE
94506	HORIZONTAL	TREE	N34° 42' 51.70"	W112° 02' 18.91"	1.6	3,711.9		TRIM/REMOVE
94610	HORIZONTAL	TREE	N34° 42' 50.29"	W112° 02' 17.45"	0.0	3,710.3		TRIM/REMOVE
94618	HORIZONTAL	TREE	N34° 42' 50.12"	W112° 02' 17.94"	3.7	3,714.0		TRIM/REMOVE
94650	HORIZONTAL	TREE	N34° 42' 51.13"	W112° 02' 18.90"	0.9	3,711.2		TRIM/REMOVE
94730	HORIZONTAL	TREE	N34° 42' 48.86"	W112° 02' 15.79"	2.4	3,712.7		TRIM/REMOVE
94738	HORIZONTAL	TREE	N34° 42' 48.87"	W112° 02' 15.96"	2.1	3,712.4		TRIM/REMOVE
94754	HORIZONTAL	TREE	N34° 42' 48.08"	W112° 02' 15.91"	0.8	3,711.1		TRIM/REMOVE
94762	HORIZONTAL	TREE	N34° 42' 47.93"	W112° 02' 15.80"	2.2	3,712.5		TRIM/REMOVE
94770	HORIZONTAL	TREE	N34° 42' 47.80"	W112° 02' 16.00"	2.6	3,712.9		TRIM/REMOVE
94778	HORIZONTAL	TREE	N34° 42' 47.53"	W112° 02' 16.08"	10.4	3,720.7		TRIM/REMOVE
94794	HORIZONTAL	TREE	N34° 42' 48.14"	W112° 02' 15.54"	0.3	3,710.6		TRIM/REMOVE
94826	HORIZONTAL	TREE	N34° 42' 48.18"	W112° 02' 14.74"	2.9	3,713.2		TRIM/REMOVE
94930	HORIZONTAL	TREE	N34° 42' 35.46"	W112° 02' 03.09"	36.3	3,746.6		TRIM/REMOVE
94938	HORIZONTAL	TREE	N34° 42' 35.08"	W112° 02' 03.67"	41.5	3,751.8		TRIM/REMOVE
94946	HORIZONTAL	TREE	N34° 42' 35.47"	W112° 02' 04.53"	37.4	3,747.7		TRIM/REMOVE
94954	HORIZONTAL	TREE	N34° 42' 35.55"	W112° 02' 04.87"	42.6	3,752.9		TRIM/REMOVE
94978	HORIZONTAL	TREE	N34° 42' 35.12"	W112° 02' 05.37"	41.1	3,751.4		TRIM/REMOVE
94986	HORIZONTAL	TREE	N34° 42' 36.09"	W112° 02' 05.28"	40.5	3,750.8		TRIM/REMOVE
94994	HORIZONTAL	TREE	N34° 42' 35.68"	W112° 02' 06.03"	40.5	3,750.8		TRIM/REMOVE
95002	HORIZONTAL	TREE	N34° 42' 35.90"	W112° 02' 06.50"	47.7	3,758.0		TRIM/REMOVE
95010	HORIZONTAL	TREE	N34° 42' 36.24"	W112° 02' 06.81"	49.4	3,759.7		TRIM/REMOVE
95018	HORIZONTAL	TREE	N34° 42' 36.40"	W112° 02' 06.79"	51.6	3,761.9		TRIM/REMOVE
95026	HORIZONTAL	TREE	N34° 42' 36.75"	W112° 02' 07.56"	53.3	3,763.7		TRIM/REMOVE
95034	HORIZONTAL	TREE	N34° 42' 37.26"	W112° 02' 07.82"	54.8	3,765.1		TRIM/REMOVE
95042	HORIZONTAL	TREE	N34° 42' 36.59"	W112° 02' 08.47"	57.6	3,767.9		TRIM/REMOVE
95050	HORIZONTAL	TREE	N34° 42' 37.62"	W112° 02' 08.26"	57.6	3,767.9		TRIM/REMOVE
95058	HORIZONTAL	TREE	N34° 42' 38.12"	W112° 02' 07.62"	56.6	3,766.9		TRIM/REMOVE
95066	HORIZONTAL	TREE	N34° 42' 37.87"	W112° 02' 07.34"	54.1	3,764.4		TRIM/REMOVE
95074	HORIZONTAL	TREE	N34° 42' 37.43"	W112° 02' 07.09"	51.4	3,761.7		TRIM/REMOVE
95082	HORIZONTAL	TREE	N34° 42' 37.57"	W112° 02' 06.82"	49.1	3,759.4		TRIM/REMOVE
95090	HORIZONTAL	TREE	N34° 42' 37.43"	W112° 02' 06.39"	48.2	3,758.5		TRIM/REMOVE
95098	HORIZONTAL	TREE	N34° 42' 37.99"	W112° 02' 06.44"	49.9	3,760.2		TRIM/REMOVE
95106	HORIZONTAL	TREE	N34° 42' 38.46"	W112° 02' 06.40"	55.8	3,766.1		TRIM/REMOVE
95114	HORIZONTAL	TREE	N34° 42' 39.05"	W112° 02' 06.65"	59.3	3,769.6		TRIM/REMOVE
95122	HORIZONTAL	TREE	N34° 42' 38.96"	W112° 02' 08.68"	69.3	3,779.6		TRIM/REMOVE
95130	HORIZONTAL	TREE	N34° 42' 38.53"	W112° 02' 08.50"	61.4	3,771.7		TRIM/REMOVE
95138	HORIZONTAL	TREE	N34° 42' 39.51"	W112° 02' 08.55"	72.5	3,782.8		TRIM/REMOVE
95146	HORIZONTAL	TREE	N34° 42' 39.61"	W112° 02' 09.18"	76.7	3,787.0		TRIM/REMOVE
95154	HORIZONTAL	TREE	N34° 42' 40.15"	W112° 02' 07.90"	70.1	3,780.4		TRIM/REMOVE
95162	HORIZONTAL	TREE	N34° 42' 40.33"	W112° 02' 08.43"	75.5	3,785.8		TRIM/REMOVE
95170	HORIZONTAL	TREE	N34° 42' 39.91"	W112° 02' 07.36"	66.3	3,776.6		TRIM/REMOVE
95178	HORIZONTAL	TREE	N34° 42' 40.74"	W112° 02' 07.11"	74.1	3,784.4		TRIM/REMOVE
95186	HORIZONTAL	TREE	N34° 42' 40.99"	W112° 02' 07.02"	75.6	3,785.9		TRIM/REMOVE
95194	HORIZONTAL	TREE	N34° 42' 40.76"	W112° 02' 07.53"	72.4	3,782.7		TRIM/REMOVE
95202	HORIZONTAL	TREE	N34° 42' 41.41"	W112° 02' 07.82"	84.4	3,794.7		TRIM/REMOVE
97002	HORIZONTAL	ELEC_BOX	N34° 42' 46.82"	W112° 02' 01.81"	78.0	3,788.3	2.9	REMOVE/LOWER/PROVIDE OL
97010	HORIZONTAL	ELEC_BOX	N34° 42' 45.33"	W112° 02' 01.88"	70.1	3,780.4	3.2	REMOVE/LOWER/PROVIDE OL
97018	HORIZONTAL	ELEC_BOX	N34° 42' 44.72"	W112° 01' 56.88"	34.0	3,744.3	2.1	REMOVE/LOWER/PROVIDE OL
97026	HORIZONTAL	ROAD - PRIVATE	N34° 42' 45.75"	W112° 02' 02.09"	93.5	3,803.8	10.0	DNH
97034	HORIZONTAL	ELEC_BOX	N34° 42' 44.74"	W112° 02' 02.81"	67.0	3,777.3	2.3	REMOVE/LOWER/PROVIDE OL
97042	HORIZONTAL	ROAD - PRIVATE	N34° 42' 48.09"	W112° 02' 01.30"	80.4	3,800.7	10.0	DNH
97050	HORIZONTAL	ROAD - PRIVATE	N34° 42' 48.39"	W112° 02' 02.64"	62.5	3,782.8	10.0	DNH
97058	HORIZONTAL	ROAD - PRIVATE	N34° 42' 47.67"	W112° 02' 03.75"	56.4	3,776.7	10.0	DNH
97066	HORIZONTAL	ROAD - PRIVATE	N34° 42' 46.67"	W112° 02' 04.94"	49.1	3,769.4	10.0	DNH
97074	HORIZONTAL	ROAD - PRIVATE	N34° 42' 45.73"	W112° 02' 06.28"	40.8	3,761.1	10.0	DNH
97082	HORIZONTAL	ROAD - PRIVATE	N34° 42' 45.03"	W112° 02' 07.78"	27.6	3,747.9	10.0	DNH
97090	HORIZONTAL	ROAD - PRIVATE	N34° 42' 45.13"	W112° 02' 09.46"	5.7	3,726.0	10.0	DNH
97098	HORIZONTAL	ROAD - PRIVATE	N34° 42' 45.10"	W112° 02' 00.85"	61.1	3,781.4	10.0	DNH
97106	HORIZONTAL	ROAD - PRIVATE	N34° 42' 45.26"	W112° 01' 59.53"	51.7	3,772.0	10.0	DNH
97114	HORIZONTAL	ROAD - PRIVATE	N34° 42' 44.89"	W112° 01' 58.17"	46.1	3,766.4	10.0	DNH
97122	HORIZONTAL	ROAD - PRIVATE	N34° 42' 44.54"	W112° 01' 56.68"	40.6	3,760.9	10.0	DNH
97130	HORIZONTAL	ROAD - PRIVATE	N34° 42' 44.31"	W112° 01' 55.36"	34.1	3,754.4	10.0	DNH
97202	HORIZONTAL	TREE	N34° 42' 49.29"	W112° 02' 17.55"	1.1	3,711.4		TRIM/REMOVE
97210	HORIZONTAL	TREE	N34° 42' 49.45"	W112° 02' 18.09"	0.9	3,711.2		TRIM/REMOVE
97218	HORIZONTAL	TREE	N34° 42' 49.88"	W112° 02' 18.20"	0.3	3,710.6		TRIM/REMOVE
97226	HORIZONTAL	TREE	N34° 42' 50.14"	W112° 02' 18.36"	4.8	3,715.1		TRIM/REMOVE
97282	HORIZONTAL	TREE	N34° 42' 48.38"	W112° 02' 13.78"	1.9	3,712.2		TRIM/REMOVE
97346	HORIZONTAL	TREE	N34° 42' 45.58"	W112° 02' 14.45"	6.3	3,716.6		TRIM/REMOVE
97362	HORIZONTAL	TREE	N34° 42' 46.02"	W112° 02' 15.43"	5.0	3,715.3		TRIM/REMOVE
97370	HORIZONTAL	TREE	N34° 42' 46.39"	W112° 02' 15.86"	7.4	3,717.7		TRIM/REMOVE
97378	HORIZONTAL	TREE	N34° 42' 46.99"	W112° 02' 16.19"	6.4	3,716.7		TRIM/REMOVE
97386	HORIZONTAL	TREE	N34° 42' 47.09"	W112° 02' 15.82"	3.8	3,714.2		TRIM/REMOVE
97394	HORIZONTAL	TREE	N34° 42' 47.28"	W112° 02' 16.47"	5.7	3,716.0		TRIM/REMOVE
97402	HORIZONTAL	TREE	N34° 42' 47.27"	W112° 02' 16.76"	5.1	3,715.4		TRIM/REMOVE
97410	HORIZONTAL	TREE	N34° 42' 47.48"	W112° 02' 16.46"	2.6	3,712.9		TRIM/REMOVE
97418	HORIZONTAL	TREE	N34° 42' 47.61"	W112° 02' 16.74"	1.6	3,711.9		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
HORIZONTAL SURFACE PENETRATION GROUP *(CONT.)*								
97442	HORIZONTAL	TREE	N34° 42' 48.72"	W112° 02' 17.52"	1.3	3,711.6		TRIM/REMOVE
97474	HORIZONTAL	TREE	N34° 42' 46.52"	W112° 02' 07.99"	3.0	3,713.3		TRIM/REMOVE
97490	HORIZONTAL	TREE	N34° 42' 46.16"	W112° 02' 08.27"	0.4	3,710.7		TRIM/REMOVE
97546	HORIZONTAL	TREE	N34° 42' 46.75"	W112° 02' 15.39"	1.5	3,711.8		TRIM/REMOVE
97554	HORIZONTAL	TREE	N34° 42' 45.19"	W112° 02' 15.34"	4.5	3,714.8		TRIM/REMOVE
97562	HORIZONTAL	TREE	N34° 42' 44.59"	W112° 02' 14.91"	9.7	3,720.0		TRIM/REMOVE
97570	HORIZONTAL	TREE	N34° 42' 44.40"	W112° 02' 14.28"	3.6	3,713.9		TRIM/REMOVE
97578	HORIZONTAL	TREE	N34° 42' 44.08"	W112° 02' 14.16"	8.6	3,718.9		TRIM/REMOVE
97586	HORIZONTAL	TREE	N34° 42' 43.78"	W112° 02' 14.66"	9.7	3,720.0		TRIM/REMOVE
97594	HORIZONTAL	TREE	N34° 42' 43.37"	W112° 02' 14.31"	18.5	3,728.8		TRIM/REMOVE
97602	HORIZONTAL	TREE	N34° 42' 43.04"	W112° 02' 14.25"	21.4	3,731.7		TRIM/REMOVE
97610	HORIZONTAL	TREE	N34° 42' 44.58"	W112° 02' 13.99"	5.3	3,715.6		TRIM/REMOVE
97618	HORIZONTAL	TREE	N34° 42' 44.25"	W112° 02' 13.79"	6.9	3,717.2		TRIM/REMOVE
97658	HORIZONTAL	TREE	N34° 42' 44.58"	W112° 02' 13.33"	2.4	3,712.7		TRIM/REMOVE
97706	HORIZONTAL	TREE	N34° 42' 44.52"	W112° 02' 12.44"	2.4	3,712.7		TRIM/REMOVE
97714	HORIZONTAL	TREE	N34° 42' 44.23"	W112° 02' 12.89"	10.2	3,720.5		TRIM/REMOVE
97722	HORIZONTAL	TREE	N34° 42' 43.67"	W112° 02' 12.92"	15.4	3,725.7		TRIM/REMOVE
97730	HORIZONTAL	TREE	N34° 42' 43.96"	W112° 02' 13.35"	13.0	3,723.3		TRIM/REMOVE
97738	HORIZONTAL	TREE	N34° 42' 43.39"	W112° 02' 12.12"	27.0	3,737.3		TRIM/REMOVE
97746	HORIZONTAL	TREE	N34° 42' 43.07"	W112° 02' 12.55"	25.3	3,735.6		TRIM/REMOVE
97754	HORIZONTAL	TREE	N34° 42' 43.06"	W112° 02' 13.06"	21.9	3,732.2		TRIM/REMOVE
97762	HORIZONTAL	TREE	N34° 42' 43.38"	W112° 02' 13.31"	15.5	3,725.8		TRIM/REMOVE
97770	HORIZONTAL	TREE	N34° 42' 43.54"	W112° 02' 14.07"	13.9	3,724.2		TRIM/REMOVE
97778	HORIZONTAL	TREE	N34° 42' 43.03"	W112° 02' 13.72"	16.7	3,727.0		TRIM/REMOVE
97786	HORIZONTAL	TREE	N34° 42' 42.55"	W112° 02' 13.36"	30.6	3,740.9		TRIM/REMOVE
97794	HORIZONTAL	TREE	N34° 42' 42.43"	W112° 02' 12.87"	36.8	3,747.1		TRIM/REMOVE
97802	HORIZONTAL	TREE	N34° 42' 42.52"	W112° 02' 14.04"	23.6	3,734.0		TRIM/REMOVE
97810	HORIZONTAL	TREE	N34° 42' 42.69"	W112° 02' 12.44"	32.9	3,743.2		TRIM/REMOVE
97818	HORIZONTAL	TREE	N34° 42' 42.73"	W112° 02' 11.90"	34.9	3,745.2		TRIM/REMOVE
97826	HORIZONTAL	TREE	N34° 42' 42.89"	W112° 02' 11.35"	38.6	3,748.9		TRIM/REMOVE
97834	HORIZONTAL	TREE	N34° 42' 46.26"	W112° 02' 15.17"	0.3	3,710.6		TRIM/REMOVE
97842	HORIZONTAL	TREE	N34° 42' 46.68"	W112° 02' 15.07"	0.1	3,710.4		TRIM/REMOVE
97882	HORIZONTAL	TREE	N34° 42' 44.69"	W112° 02' 10.98"	5.7	3,716.0		TRIM/REMOVE
97890	HORIZONTAL	TREE	N34° 42' 44.37"	W112° 02' 10.84"	13.9	3,724.2		TRIM/REMOVE
97898	HORIZONTAL	TREE	N34° 42' 44.07"	W112° 02' 10.85"	16.7	3,727.0		TRIM/REMOVE
97906	HORIZONTAL	TREE	N34° 42' 43.81"	W112° 02' 11.40"	18.8	3,729.1		TRIM/REMOVE
97914	HORIZONTAL	TREE	N34° 42' 43.79"	W112° 02' 12.06"	15.6	3,725.9		TRIM/REMOVE
97922	HORIZONTAL	TREE	N34° 42' 44.14"	W112° 02' 11.41"	14.1	3,724.4		TRIM/REMOVE
97930	HORIZONTAL	TREE	N34° 42' 44.10"	W112° 02' 12.05"	11.6	3,721.9		TRIM/REMOVE
97946	HORIZONTAL	TREE	N34° 42' 44.70"	W112° 02' 11.46"	2.6	3,712.9		TRIM/REMOVE
97978	HORIZONTAL	TREE	N34° 42' 45.53"	W112° 02' 15.02"	1.3	3,711.6		TRIM/REMOVE
97986	HORIZONTAL	TREE	N34° 42' 44.71"	W112° 02' 09.54"	14.4	3,724.7		TRIM/REMOVE
97994	HORIZONTAL	TREE	N34° 42' 44.08"	W112° 02' 09.59"	26.6	3,736.9		TRIM/REMOVE
98002	HORIZONTAL	TREE	N34° 42' 43.65"	W112° 02' 09.87"	38.7	3,749.0		TRIM/REMOVE
98010	HORIZONTAL	TREE	N34° 42' 44.70"	W112° 02' 08.85"	27.6	3,737.9		TRIM/REMOVE
98018	HORIZONTAL	TREE	N34° 42' 44.23"	W112° 02' 08.42"	44.2	3,754.5		TRIM/REMOVE
98026	HORIZONTAL	TREE	N34° 42' 44.25"	W112° 02' 09.10"	28.2	3,738.5		TRIM/REMOVE
98034	HORIZONTAL	TREE	N34° 42' 45.34"	W112° 02' 08.95"	15.0	3,725.3		TRIM/REMOVE
98050	HORIZONTAL	TREE	N34° 42' 45.56"	W112° 02' 08.33"	9.7	3,720.0		TRIM/REMOVE
98058	HORIZONTAL	TREE	N34° 42' 45.52"	W112° 02' 07.80"	22.4	3,732.7		TRIM/REMOVE
98066	HORIZONTAL	TREE	N34° 42' 45.38"	W112° 02' 07.30"	32.8	3,743.1		TRIM/REMOVE
98074	HORIZONTAL	TREE	N34° 42' 45.26"	W112° 02' 06.80"	47.9	3,758.2		TRIM/REMOVE
98082	HORIZONTAL	TREE	N34° 42' 44.80"	W112° 02' 06.74"	55.0	3,765.3		TRIM/REMOVE
98090	HORIZONTAL	TREE	N34° 42' 44.68"	W112° 02' 07.17"	48.2	3,758.5		TRIM/REMOVE
98098	HORIZONTAL	TREE	N34° 42' 44.64"	W112° 02' 07.78"	41.7	3,752.0		TRIM/REMOVE
98106	HORIZONTAL	TREE	N34° 42' 43.52"	W112° 02' 07.31"	75.0	3,785.3		TRIM/REMOVE
98114	HORIZONTAL	TREE	N34° 42' 43.70"	W112° 02' 07.71"	68.1	3,778.4		TRIM/REMOVE
98122	HORIZONTAL	TREE	N34° 42' 44.04"	W112° 02' 07.19"	68.6	3,778.9		TRIM/REMOVE
98130	HORIZONTAL	TREE	N34° 42' 44.03"	W112° 02' 06.90"	73.8	3,784.1		TRIM/REMOVE
98146	HORIZONTAL	TREE	N34° 42' 44.27"	W112° 02' 06.55"	72.9	3,783.2		TRIM/REMOVE
98154	HORIZONTAL	TREE	N34° 42' 42.93"	W112° 02' 07.71"	81.2	3,791.5		TRIM/REMOVE
98162	HORIZONTAL	TREE	N34° 42' 42.57"	W112° 02' 07.79"	80.3	3,790.6		TRIM/REMOVE
98170	HORIZONTAL	TREE	N34° 42' 42.13"	W112° 02' 08.55"	81.4	3,791.7		TRIM/REMOVE
98178	HORIZONTAL	TREE	N34° 42' 42.53"	W112° 02' 08.78"	78.2	3,788.5		TRIM/REMOVE
98186	HORIZONTAL	TREE	N34° 42' 42.38"	W112° 02' 09.61"	69.9	3,780.2		TRIM/REMOVE
98194	HORIZONTAL	TREE	N34° 42' 41.92"	W112° 02' 09.84"	76.6	3,786.9		TRIM/REMOVE
98202	HORIZONTAL	TREE	N34° 42' 41.56"	W112° 02' 09.13"	84.9	3,795.2		TRIM/REMOVE
98210	HORIZONTAL	TREE	N34° 42' 41.63"	W112° 02' 11.26"	69.4	3,779.7		TRIM/REMOVE
98218	HORIZONTAL	TREE	N34° 42' 41.00"	W112° 02' 11.36"	82.3	3,792.6		TRIM/REMOVE
98226	HORIZONTAL	TREE	N34° 42' 41.03"	W112° 02' 11.93"	74.4	3,784.7		TRIM/REMOVE
98234	HORIZONTAL	TREE	N34° 42' 41.86"	W112° 02' 12.10"	53.5	3,763.8		TRIM/REMOVE
98242	HORIZONTAL	TREE	N34° 42' 41.30"	W112° 02' 12.64"	59.0	3,769.3		TRIM/REMOVE
98250	HORIZONTAL	TREE	N34° 42' 40.88"	W112° 02' 12.62"	75.5	3,785.8		TRIM/REMOVE
98258	HORIZONTAL	TREE	N34° 42' 40.20"	W112° 02' 11.67"	97.0	3,807.3		TRIM/REMOVE
98266	HORIZONTAL	TREE	N34° 42' 39.38"	W112° 02' 11.27"	92.0	3,802.3		TRIM/REMOVE
98274	HORIZONTAL	TREE	N34° 42' 39.46"	W112° 02' 06.29"	56.2	3,766.5		TRIM/REMOVE
98282	HORIZONTAL	TREE	N34° 42' 39.77"	W112° 02' 06.53"	59.4	3,769.7		TRIM/REMOVE
98290	HORIZONTAL	TREE	N34° 42' 40.32"	W112° 02' 06.56"	66.1	3,776.4		TRIM/REMOVE
98298	HORIZONTAL	TREE	N34° 42' 40.65"	W112° 02' 06.15"	66.0	3,776.3		TRIM/REMOVE

NOTES

1. SURVEY PERFORMED JULY 2020.
2. PART 77 SURFACES BASED ON 14 CFR PART 77.
3. PART 77 APPROACH SURFACES SHOWN ON SHEET 34 - INNER PORTION OF THE APPROACH SURFACE DRAWING; PART 77 APPROACH SURFACE OBSTRUCTIONS LISTED ON SHEETS 35-36.
4. TRAVERSEWAY ELEVATIONS INCLUDE THE FOLLOWING ADJUSTMENTS: PRIVATE ROADS: 10', PUBLIC ROADS: 15'. NO INTERSTATE HIGHWAYS OR RAILROADS ARE LOCATED IN THE IMMEDIATE VICINITY OF THE AIRPORT.
5. SURVEY IDENTIFIED A TOTAL OF 6,298 OBSTRUCTIONS TO PART 77 SURFACES, NOT INCLUDING PART 77 APPROACH SURFACES. OBSTRUCTIONS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT TOP 2% OF PENETRATIONS TO EACH PART 77 SURFACE.
6. OBSTRUCTION GROUPS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT APPROXIMATE LOCATION OF ALL OBSTRUCTIONS. COMPREHENSIVE LISTS OF OBSTRUCTIONS TO EACH PART 77 SURFACE, NOT INCLUDING PART 77 APPROACH SURFACES, ARE INCLUDED ON SHEETS 7-33.
7. OBSTRUCTION DESCRIPTIONS ARE GROUPED IN THE SUMMARY TABLE ON SHEET 6 - AIRPORT AIRSPACE DRAWING PER THE FOLLOWING: VEGETATION = BUSH, SCRUB, TREE; GROUND = GROUND; BUILDINGS/HANGARS = BUILDING, HANGAR; POLES/TOWERS = ANTENNA, BEACON, POLE, POLE_LIGHT, POLE_UTIL, POST, TRANSMISSION_PYLON, VERTICAL_POINT; NAVAIDS = PAPI, PAPI_CONTROL_BOX, REIL, SIGN, WINDSOCK; GROUND TRANSPORTATION = PARKING_LOT, ROAD - PRIVATE, ROAD - PUBLIC, STREET SIGN; UTILITY INFRASTRUCTURE = A/G PIPE, DAM, ELEC_BOX, MISC_UTIL, SOLAR_PANELS, TANK, TRANSFORMER; FENCE = FENCE, GATE; OTHER = CANOPY, DIRT_PILE, WALL
8. ALL HEIGHTS SHOWN IN FEET.
9. OBSTRUCTION HEIGHT ABOVE GROUND LEVEL PROVIDED WHERE AVAILABLE.
10. DEFINITIONS: PEN = PENETRATION; MSL = MEAN SEA LEVEL; AGL = ABOVE GROUND LEVEL; OL = OBSTRUCTION LIGHTING; DNH = DETERMINATION OF NO HAZARD

NO.	DATE	REVISIONS	BY	APPR.
5				
4				
3				
2				
1				

Kimley»Horn

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COTTONWOOD MUNICIPAL AIRPORT
COTTONWOOD, AZ

AIRPORT AIRSPACE DRAWING -
PART 77 SURFACE PENETRATION TABLES (13 OF 27)

JOB NO. 291447000	DRAWN KH	CHECKED CBW	
DATE: DECEMBER 2022	DESIGNED JTC	APPROVED CBW	SHEET 19 OF 40

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
HORIZONTAL SURFACE PENETRATION GROUP *(CONT.)*								
98306	HORIZONTAL	TREE	N34° 42' 40.81"	W112° 02' 06.61"	69.9	3,780.2		TRIM/REMOVE
98314	HORIZONTAL	TREE	N34° 42' 40.23"	W112° 02' 05.97"	56.2	3,766.5		TRIM/REMOVE
98322	HORIZONTAL	TREE	N34° 42' 40.20"	W112° 02' 05.45"	53.3	3,763.7		TRIM/REMOVE
98330	HORIZONTAL	TREE	N34° 42' 40.68"	W112° 02' 05.41"	59.2	3,769.5		TRIM/REMOVE
98338	HORIZONTAL	TREE	N34° 42' 41.07"	W112° 02' 05.32"	61.5	3,771.8		TRIM/REMOVE
98346	HORIZONTAL	TREE	N34° 42' 41.94"	W112° 02' 04.83"	66.2	3,776.5		TRIM/REMOVE
98354	HORIZONTAL	TREE	N34° 42' 42.41"	W112° 02' 04.88"	67.6	3,777.9		TRIM/REMOVE
98362	HORIZONTAL	TREE	N34° 42' 42.72"	W112° 02' 05.32"	76.6	3,786.9		TRIM/REMOVE
98370	HORIZONTAL	TREE	N34° 42' 41.98"	W112° 02' 04.05"	64.0	3,774.3		TRIM/REMOVE
98378	HORIZONTAL	TREE	N34° 42' 41.55"	W112° 02' 04.53"	59.7	3,770.0		TRIM/REMOVE
98386	HORIZONTAL	TREE	N34° 42' 41.22"	W112° 02' 04.84"	57.8	3,768.1		TRIM/REMOVE
98394	HORIZONTAL	TREE	N34° 42' 40.62"	W112° 02' 04.49"	51.2	3,761.5		TRIM/REMOVE
98402	HORIZONTAL	TREE	N34° 42' 40.00"	W112° 02' 05.22"	46.9	3,757.2		TRIM/REMOVE
98410	HORIZONTAL	TREE	N34° 42' 40.91"	W112° 02' 05.06"	57.3	3,767.6		TRIM/REMOVE
98418	HORIZONTAL	TREE	N34° 42' 41.29"	W112° 02' 05.98"	67.3	3,777.6		TRIM/REMOVE
98426	HORIZONTAL	TREE	N34° 42' 41.52"	W112° 02' 06.99"	71.7	3,782.0		TRIM/REMOVE
98434	HORIZONTAL	TREE	N34° 42' 42.15"	W112° 02' 05.75"	70.6	3,780.9		TRIM/REMOVE
98442	HORIZONTAL	TREE	N34° 42' 43.55"	W112° 02' 03.75"	74.1	3,784.4		TRIM/REMOVE
98450	HORIZONTAL	TREE	N34° 42' 44.19"	W112° 02' 04.25"	81.8	3,792.1		TRIM/REMOVE
98458	HORIZONTAL	TREE	N34° 42' 42.66"	W112° 02' 03.55"	54.2	3,764.5		TRIM/REMOVE
98466	HORIZONTAL	TREE	N34° 42' 42.71"	W112° 02' 02.91"	45.1	3,755.4		TRIM/REMOVE
98474	HORIZONTAL	TREE	N34° 42' 43.10"	W112° 02' 03.35"	54.0	3,764.3		TRIM/REMOVE
98482	HORIZONTAL	TREE	N34° 42' 43.78"	W112° 02' 02.99"	56.4	3,766.7		TRIM/REMOVE
98490	HORIZONTAL	TREE	N34° 42' 44.30"	W112° 02' 02.83"	71.4	3,781.7		TRIM/REMOVE
98498	HORIZONTAL	TREE	N34° 42' 44.82"	W112° 02' 02.87"	80.5	3,790.8		TRIM/REMOVE
98506	HORIZONTAL	TREE	N34° 42' 45.30"	W112° 02' 03.71"	90.2	3,800.5		TRIM/REMOVE
98514	HORIZONTAL	TREE	N34° 42' 46.18"	W112° 02' 03.82"	83.0	3,793.4		TRIM/REMOVE
98522	HORIZONTAL	TREE	N34° 42' 45.59"	W112° 02' 03.40"	87.6	3,797.9		TRIM/REMOVE
98530	HORIZONTAL	TREE	N34° 42' 45.37"	W112° 02' 02.29"	83.9	3,794.2		TRIM/REMOVE
98538	HORIZONTAL	TREE	N34° 42' 45.75"	W112° 02' 01.64"	84.4	3,794.7		TRIM/REMOVE
98546	HORIZONTAL	TREE	N34° 42' 46.60"	W112° 02' 01.54"	86.0	3,796.3		TRIM/REMOVE
98554	HORIZONTAL	TREE	N34° 42' 46.97"	W112° 02' 01.17"	83.4	3,793.7		TRIM/REMOVE
98562	HORIZONTAL	TREE	N34° 42' 47.27"	W112° 02' 01.09"	84.2	3,794.5		TRIM/REMOVE
98570	HORIZONTAL	TREE	N34° 42' 47.19"	W112° 02' 01.57"	82.2	3,792.5		TRIM/REMOVE
98578	HORIZONTAL	TREE	N34° 42' 46.68"	W112° 02' 02.33"	88.9	3,799.2		TRIM/REMOVE
98586	HORIZONTAL	TREE	N34° 42' 46.87"	W112° 02' 02.67"	84.7	3,795.0		TRIM/REMOVE
98594	HORIZONTAL	TREE	N34° 42' 46.27"	W112° 02' 00.84"	79.0	3,789.3		TRIM/REMOVE
98602	HORIZONTAL	TREE	N34° 42' 46.63"	W112° 02' 00.83"	80.8	3,791.1		TRIM/REMOVE
98610	HORIZONTAL	TREE	N34° 42' 46.60"	W112° 02' 00.29"	80.1	3,790.4		TRIM/REMOVE
98618	HORIZONTAL	TREE	N34° 42' 46.07"	W112° 02' 00.07"	77.7	3,788.0		TRIM/REMOVE
98626	HORIZONTAL	TREE	N34° 42' 45.30"	W112° 02' 00.24"	62.8	3,773.1		TRIM/REMOVE
98634	HORIZONTAL	TREE	N34° 42' 44.25"	W112° 02' 01.79"	54.8	3,765.1		TRIM/REMOVE
98642	HORIZONTAL	TREE	N34° 42' 44.70"	W112° 02' 01.97"	67.0	3,777.3		TRIM/REMOVE
98650	HORIZONTAL	TREE	N34° 42' 44.58"	W112° 02' 01.42"	54.6	3,764.9		TRIM/REMOVE
98658	HORIZONTAL	TREE	N34° 42' 44.23"	W112° 02' 01.14"	46.9	3,757.2		TRIM/REMOVE
98666	HORIZONTAL	TREE	N34° 42' 43.63"	W112° 02' 01.69"	39.2	3,749.5		TRIM/REMOVE
98674	HORIZONTAL	TREE	N34° 42' 43.83"	W112° 02' 02.03"	43.6	3,753.9		TRIM/REMOVE
98682	HORIZONTAL	TREE	N34° 42' 43.45"	W112° 02' 02.85"	50.4	3,760.7		TRIM/REMOVE
98690	HORIZONTAL	TREE	N34° 42' 43.04"	W112° 02' 02.36"	38.9	3,749.2		TRIM/REMOVE
98698	HORIZONTAL	TREE	N34° 42' 42.45"	W112° 02' 02.32"	24.1	3,734.4		TRIM/REMOVE
98706	HORIZONTAL	TREE	N34° 42' 41.74"	W112° 02' 02.77"	38.6	3,748.9		TRIM/REMOVE
98714	HORIZONTAL	TREE	N34° 42' 42.15"	W112° 02' 03.26"	39.0	3,749.3		TRIM/REMOVE
98722	HORIZONTAL	TREE	N34° 42' 41.78"	W112° 02' 02.34"	32.2	3,742.5		TRIM/REMOVE
98730	HORIZONTAL	TREE	N34° 42' 41.27"	W112° 02' 02.40"	32.8	3,743.1		TRIM/REMOVE
98738	HORIZONTAL	TREE	N34° 42' 40.93"	W112° 02' 03.38"	40.7	3,751.0		TRIM/REMOVE
98746	HORIZONTAL	TREE	N34° 42' 40.51"	W112° 02' 03.82"	39.1	3,749.4		TRIM/REMOVE
98754	HORIZONTAL	TREE	N34° 42' 40.91"	W112° 02' 04.21"	49.5	3,759.8		TRIM/REMOVE
98762	HORIZONTAL	TREE	N34° 42' 41.33"	W112° 02' 04.03"	52.6	3,762.9		TRIM/REMOVE
98770	HORIZONTAL	TREE	N34° 42' 42.94"	W112° 02' 04.90"	70.8	3,781.1		TRIM/REMOVE
98778	HORIZONTAL	TREE	N34° 42' 40.37"	W112° 02' 02.90"	26.2	3,736.5		TRIM/REMOVE
98786	HORIZONTAL	TREE	N34° 42' 40.63"	W112° 02' 02.48"	25.9	3,736.2		TRIM/REMOVE
98794	HORIZONTAL	TREE	N34° 42' 41.05"	W112° 02' 01.99"	26.0	3,736.3		TRIM/REMOVE
98802	HORIZONTAL	TREE	N34° 42' 39.83"	W112° 02' 02.34"	5.0	3,715.3		TRIM/REMOVE
98810	HORIZONTAL	TREE	N34° 42' 39.82"	W112° 02' 03.21"	13.9	3,724.2		TRIM/REMOVE
98818	HORIZONTAL	TREE	N34° 42' 39.80"	W112° 02' 03.75"	27.5	3,737.8		TRIM/REMOVE
98826	HORIZONTAL	TREE	N34° 42' 39.57"	W112° 02' 04.27"	28.5	3,738.8		TRIM/REMOVE
98834	HORIZONTAL	TREE	N34° 42' 38.95"	W112° 02' 04.69"	40.9	3,751.2		TRIM/REMOVE
98842	HORIZONTAL	TREE	N34° 42' 38.74"	W112° 02' 05.18"	43.9	3,754.2		TRIM/REMOVE
98850	HORIZONTAL	TREE	N34° 42' 37.96"	W112° 02' 06.00"	46.3	3,756.6		TRIM/REMOVE
98858	HORIZONTAL	TREE	N34° 42' 38.81"	W112° 02' 06.17"	48.9	3,759.2		TRIM/REMOVE
98866	HORIZONTAL	TREE	N34° 42' 39.29"	W112° 02' 05.63"	42.8	3,753.1		TRIM/REMOVE
98874	HORIZONTAL	TREE	N34° 42' 40.12"	W112° 02' 04.59"	39.7	3,750.0		TRIM/REMOVE
98882	HORIZONTAL	TREE	N34° 42' 38.78"	W112° 02' 03.64"	5.2	3,715.5		TRIM/REMOVE
98890	HORIZONTAL	TREE	N34° 42' 38.40"	W112° 02' 04.11"	18.0	3,728.3		TRIM/REMOVE
98898	HORIZONTAL	TREE	N34° 42' 38.19"	W112° 02' 04.44"	30.1	3,740.4		TRIM/REMOVE
98906	HORIZONTAL	TREE	N34° 42' 38.49"	W112° 02' 04.80"	33.9	3,744.2		TRIM/REMOVE
98914	HORIZONTAL	TREE	N34° 42' 37.53"	W112° 02' 05.03"	38.6	3,748.9		TRIM/REMOVE
98922	HORIZONTAL	TREE	N34° 42' 36.63"	W112° 02' 05.19"	32.3	3,742.6		TRIM/REMOVE
98930	HORIZONTAL	TREE	N34° 42' 36.88"	W112° 02' 05.75"	44.4	3,754.7		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
HORIZONTAL SURFACE PENETRATION GROUP *(CONT.)*								
98938	HORIZONTAL	TREE	N34° 42' 37.40"	W112° 02' 04.49"	24.6	3,734.9		TRIM/REMOVE
98946	HORIZONTAL	TREE	N34° 42' 37.16"	W112° 02' 04.92"	29.3	3,739.6		TRIM/REMOVE
98954	HORIZONTAL	TREE	N34° 42' 37.68"	W112° 02' 04.32"	6.0	3,716.3		TRIM/REMOVE
99010	HORIZONTAL	TREE	N34° 42' 39.64"	W112° 02' 03.53"	18.5	3,728.8		TRIM/REMOVE
99090	HORIZONTAL	TREE	N34° 42' 40.74"	W112° 02' 01.69"	10.3	3,720.6		TRIM/REMOVE
99114	HORIZONTAL	TREE	N34° 42' 41.85"	W112° 02' 01.79"	1.4	3,711.7		TRIM/REMOVE
99130	HORIZONTAL	TREE	N34° 42' 42.79"	W112° 02' 01.27"	8.8	3,719.1		TRIM/REMOVE
99138	HORIZONTAL	TREE	N34° 42' 43.20"	W112° 02' 00.98"	14.4	3,724.7		TRIM/REMOVE
99146	HORIZONTAL	TREE	N34° 42' 43.54"	W112° 02' 01.23"	23.6	3,734.0		TRIM/REMOVE
99154	HORIZONTAL	TREE	N34° 42' 42.70"	W112° 02' 01.91"	12.5	3,722.8		TRIM/REMOVE
99170	HORIZONTAL	TREE	N34° 42' 43.58"	W112° 02' 00.30"	8.1	3,718.4		TRIM/REMOVE
99178	HORIZONTAL	TREE	N34° 42' 44.13"	W112° 02' 00.72"	32.6	3,742.9		TRIM/REMOVE
99186	HORIZONTAL	TREE	N34° 42' 44.63"	W112° 02' 00.13"	40.0	3,750.3		TRIM/REMOVE
99194	HORIZONTAL	TREE	N34° 42' 44.92"	W112° 01' 59.33"	47.4	3,757.7		TRIM/REMOVE
99202	HORIZONTAL	TREE	N34° 42' 45.71"	W112° 01' 59.26"	66.7	3,777.0		TRIM/REMOVE
99210	HORIZONTAL	TREE	N34° 42' 46.06"	W112° 01' 59.52"	71.5	3,781.8		TRIM/REMOVE
99218	HORIZONTAL	TREE	N34° 42' 46.46"	W112° 01' 59.72"	70.4	3,780.7		TRIM/REMOVE
99226	HORIZONTAL	TREE	N34° 42' 45.92"	W112° 01' 58.91"	64.9	3,775.2		TRIM/REMOVE
99234	HORIZONTAL	TREE	N34° 42' 46.44"	W112° 01' 58.80"	63.3	3,773.6		TRIM/REMOVE
99242	HORIZONTAL	TREE	N34° 42' 46.00"	W112° 01' 57.83"	58.4	3,768.7		TRIM/REMOVE
99250	HORIZONTAL	TREE	N34° 42' 45.64"	W112° 01' 57.57"	57.6	3,767.9		TRIM/REMOVE
99258	HORIZONTAL	TREE	N34° 42' 45.70"	W112° 01' 58.33"	57.9	3,768.2		TRIM/REMOVE
99266	HORIZONTAL	TREE	N34° 42' 45.44"	W112° 01' 58.86"	55.7	3,766.0		TRIM/REMOVE
99274	HORIZONTAL	TREE	N34° 42' 44.93"	W112° 01' 58.80"	49.8	3,760.1		TRIM/REMOVE
99282	HORIZONTAL	TREE	N34° 42' 44.36"	W112° 01' 58.58"	29.7	3,740.0		TRIM/REMOVE
99290	HORIZONTAL	TREE	N34° 42' 44.67"	W112° 01' 59.20"	36.8	3,747.1		TRIM/REMOVE
99298	HORIZONTAL	TREE	N34° 42' 44.35"	W112° 01' 59.84"	16.7	3,727.0		TRIM/REMOVE
99306	HORIZONTAL	TREE	N34° 42' 43.92"	W112° 01' 59.89"	7.1	3,717.4		TRIM/REMOVE
99314	HORIZONTAL	TREE	N34° 42' 43.82"	W112° 01' 58.62"	11.5	3,721.8		TRIM/REMOVE
99322	HORIZONTAL	TREE	N34° 42' 44.05"	W112° 01' 58.19"	21.9	3,732.2		TRIM/REMOVE
99330	HORIZONTAL	TREE	N34° 42' 44.54"	W112° 01' 58.10"	36.0	3,746.3		TRIM/REMOVE
99338	HORIZONTAL	TREE	N34° 42' 44.41"	W112° 01' 57.50"	36.8	3,747.1		TRIM/REMOVE
99346	HORIZONTAL	TREE	N34° 42' 44.86"	W112° 01' 57.60"	51.2	3,761.5		TRIM/REMOVE
99354	HORIZONTAL	TREE	N34° 42' 45.10"	W112° 01' 57.04"	50.9	3,761.2		TRIM/REMOVE
99362	HORIZONTAL	TREE	N34° 42' 44.33"	W112° 01' 56.50"	37.9	3,748.2		TRIM/REMOVE
99370	HORIZONTAL	TREE	N34° 42' 44.00"	W112° 01' 56.06"	27.9	3,738.2		TRIM/REMOVE
99378	HORIZONTAL	TREE	N34° 42' 44.24"	W112° 01' 55.60"	36.4	3,746.7		TRIM/REMOVE
99386	HORIZONTAL	TREE	N34° 42' 44.94"	W112° 01' 55.34"	39.0	3,749.3		TRIM/REMOVE
99394	HORIZONTAL	TREE	N34° 42' 44.62"	W112° 01' 54.69"	35.7	3,746.0		TRIM/REMOVE
99402	HORIZONTAL	TREE	N34° 42' 44.43"	W112° 01' 55.12"	39.4	3,749.7		TRIM/REMOVE
99410	HORIZONTAL	TREE	N34° 42' 43.93"	W112° 01' 54.77"	31.2	3,741.5		TRIM/REMOVE
99418	HORIZONTAL	TREE	N34° 42' 44.22"	W112° 01' 54.51"	26.7	3,737.0		TRIM/REMOVE
99426	HORIZONTAL	TREE	N34° 42' 44.56"	W112° 01' 54.11"	24.5	3,734.8		TRIM/REMOVE
99434	HORIZONTAL	TREE	N34° 42' 45.01"	W112° 01' 54.11"	24.1	3,734.4		TRIM/REMOVE
99442	HORIZONTAL	TREE	N34° 42' 45.68"	W112° 01' 54.64"	26.4	3,736.7		TRIM/REMOVE
99450	HORIZONTAL	TREE	N34° 42' 45.92"	W112° 01' 54.92"	29.3	3,739.6		TRIM/REMOVE
99458	HORIZONTAL	TREE	N34° 42' 45.74"	W112° 01' 55.64"	38.3	3,748.6		TRIM/REMOVE
99466	HORIZONTAL	TREE	N34° 42' 46.25"	W112° 01' 55.74"	36.4	3,746.7		TRIM/REMOVE
99474	HORIZONTAL	TREE	N34° 42' 46.55"	W112° 01' 55.44"	31.9	3,742.2		TRIM/REMOVE
99482	HORIZONTAL	TREE	N34° 42' 46.27"	W112° 01' 55.10"	26.0	3,736.3		TRIM/REMOVE
99490	HORIZONTAL	TREE	N34° 42' 46.45"	W112° 01' 54.67"	15.6	3,725.9		TRIM/REMOVE
99498	HORIZONTAL	TREE	N34° 42' 46.94"	W112° 01' 55.06"	14.9	3,725.2		TRIM/REMOVE
99506	HORIZONTAL	TREE	N34° 42' 47.34"	W112° 01' 55.03"	6.0	3,716.3		TRIM/REMOVE
99514	HORIZONTAL	TREE	N34° 42' 47.08"	W112° 01' 54.75"	5.2	3,715.5		TRIM/REMOVE
99522	HORIZONTAL	TREE	N34° 42' 46.93"	W112° 01' 54.53"	0.6	3,710.9		TRIM/REMOVE
99538	HORIZONTAL	TREE	N34° 42' 46.03"	W112° 01' 54.37"	11.8	3,722.1		TRIM/REMOVE
99546	HORIZONTAL	TREE	N34° 42' 45.43"	W112° 01' 53.80"	7.7	3,718.0		TRIM/REMOVE
99554	HORIZONTAL	TREE	N34° 42' 45.26"	W112° 01' 53.37"	1.4	3,711.7		TRIM/REMOVE
99570	HORIZONTAL	TREE	N34° 42' 47.51"	W112° 01' 55.86"	18.6	3,728.9		TRIM/REMOVE
99578	HORIZONTAL	TREE	N34° 42' 47.69"	W112° 01' 56.21"	19.6	3,729.9		TRIM/REMOVE
99586	HORIZONTAL	TREE	N34° 42' 47.82"	W112° 01' 55.93"	8.3	3,718.6		TRIM/REMOVE
99594	HORIZONTAL	TREE	N34° 42' 48.30"	W112° 01' 55.79"	3.4	3,713.7		TRIM/REMOVE
99602	HORIZONTAL	TREE	N34° 42' 48.45"	W112° 01' 56.33"	14.2	3,724.5		TRIM/REMOVE
99618	HORIZONTAL	TREE	N34° 42' 49.61"	W112° 01' 56.67"	3.1	3,713.4		TRIM/REMOVE
99626	HORIZONTAL	TREE	N34° 42' 49.37"	W112° 01' 56.98"	11.5	3,721.8		TRIM/REMOVE
99634	HORIZONTAL	TREE	N34° 42' 49.71"	W112° 01' 57.01"	8.8	3,719.1		TRIM/REMOVE
99642	HORIZONTAL	TREE	N34° 42' 49.55"	W112° 01' 57.62"	27.1	3,737.4		TRIM/REMOVE
99650	HORIZONTAL	TREE	N34° 42' 49.17"	W112° 01' 57.62"	30.3	3,740.6		TRIM/REMOVE
99658	HORIZONTAL	TREE	N34° 42' 48.61"	W112° 01' 57.26"	27.6	3,737.9		TRIM/REMOVE
99666	HORIZONTAL	TREE	N34° 42' 48.16"	W112° 01' 58.05"	54.3	3,764.6		TRIM/REMOVE
99674	HORIZONTAL	TREE	N34° 42' 49.38"	W112° 01' 58.49"	47.4	3,757.7		TRIM/REMOVE
99682	HORIZONTAL	TREE	N34° 42' 49.18"	W112° 01' 58.72"	55.8	3,766.1		TRIM/REMOVE
99690	HORIZONTAL	TREE	N34° 42' 49.14"	W112° 01' 59.10"	61.0	3,771.3		TRIM/REMOVE
99698	HORIZONTAL	TREE	N34° 42' 48.38"	W112° 01' 59.92"	76.9	3,787.2		TRIM/REMOVE
99706	HORIZONTAL	TREE	N34° 42' 48.21"	W112° 02' 00.29"	79.3	3,789.6		TRIM/REMOVE
99714	HORIZONTAL	TREE	N34° 42' 47.76"	W112° 02' 00.43"	79.3	3,789.6		TRIM/REMOVE
99722	HORIZONTAL	TREE	N34° 42' 47.71"	W112° 02' 00.99"	83.5	3,793.8		TRIM/REMOVE
99730	HORIZONTAL	TREE	N34° 42' 48.90"	W112° 02' 01.31"	70.2	3,780.5		TRIM/REMOVE
99738	HORIZONTAL	TREE	N34° 42' 49.31"	W112° 02' 00.75"	58.8	3,769.1		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
HORIZONTAL SURFACE PENETRATION GROUP *(CONT.)*								
99746	HORIZONTAL	TREE	N34° 42' 49.68"	W112° 02' 01.05"	45.2	3,755.5		TRIM/REMOVE
99754	HORIZONTAL	TREE	N34° 42' 50.02"	W112° 02' 00.63"	34.8	3,745.1		TRIM/REMOVE
99762	HORIZONTAL	TREE	N34° 42' 50.19"	W112° 02' 01.02"	26.4	3,736.7		TRIM/REMOVE
99770	HORIZONTAL	TREE	N34° 42' 50.76"	W112° 02' 01.25"	2.6	3,712.9		TRIM/REMOVE
99786	HORIZONTAL	TREE	N34° 42' 50.48"	W112° 02' 02.06"	5.5	3,715.8		TRIM/REMOVE
99794	HORIZONTAL	TREE	N34° 42' 49.79"	W112° 02' 02.42"	31.8	3,742.1		TRIM/REMOVE
99802	HORIZONTAL	TREE	N34° 42' 49.73"	W112° 02' 02.84"	21.7	3,732.0		TRIM/REMOVE
99810	HORIZONTAL	TREE	N34° 42' 49.44"	W112° 02' 02.01"	40.2	3,750.5		TRIM/REMOVE
99818	HORIZONTAL	TREE	N34° 42' 48.48"	W112° 02' 03.22"	51.2	3,761.5		TRIM/REMOVE
99826	HORIZONTAL	TREE	N34° 42' 47.89"	W112° 02' 02.62"	74.4	3,784.7		TRIM/REMOVE
99834	HORIZONTAL	TREE	N34° 42' 48.00"	W112° 02' 01.81"	82.9	3,793.2		TRIM/REMOVE
99842	HORIZONTAL	TREE	N34° 42' 48.37"	W112° 02' 01.70"	76.9	3,787.2		TRIM/REMOVE
99850	HORIZONTAL	TREE	N34° 42' 46.30"	W112° 01' 57.49"	55.5	3,765.8		TRIM/REMOVE
99858	HORIZONTAL	TREE	N34° 42' 45.93"	W112° 01' 56.64"	49.1	3,759.4		TRIM/REMOVE
99866	HORIZONTAL	TREE	N34° 42' 46.55"	W112° 01' 56.33"	43.6	3,753.9		TRIM/REMOVE
99874	HORIZONTAL	TREE	N34° 42' 47.01"	W112° 01' 56.28"	34.3	3,744.6		TRIM/REMOVE
99882	HORIZONTAL	TREE	N34° 42' 47.15"	W112° 01' 56.74"	33.9	3,744.2		TRIM/REMOVE
99890	HORIZONTAL	TREE	N34° 42' 47.60"	W112° 01' 56.70"	35.4	3,745.7		TRIM/REMOVE
99898	HORIZONTAL	TREE	N34° 42' 47.66"	W112° 01' 55.14"	0.8	3,711.1		TRIM/REMOVE
99906	HORIZONTAL	TREE	N34° 42' 47.14"	W112° 01' 55.85"	23.0	3,733.3		TRIM/REMOVE
99914	HORIZONTAL	TREE	N34° 42' 45.17"	W112° 01' 55.65"	41.0	3,751.3		TRIM/REMOVE
99922	HORIZONTAL	TREE	N34° 42' 45.44"	W112° 01' 56.50"	50.5	3,760.8		TRIM/REMOVE
99930	HORIZONTAL	TREE	N34° 42' 44.82"	W112° 01' 56.43"	47.3	3,757.6		TRIM/REMOVE
99938	HORIZONTAL	TREE	N34° 42' 44.75"	W112° 01' 55.80"	43.3	3,753.6		TRIM/REMOVE
99946	HORIZONTAL	TREE	N34° 42' 43.89"	W112° 01' 55.70"	24.0	3,734.3		TRIM/REMOVE
99954	HORIZONTAL	TREE	N34° 42' 43.67"	W112° 01' 55.17"	19.6	3,729.9		TRIM/REMOVE
99962	HORIZONTAL	TREE	N34° 42' 43.42"	W112° 01' 55.41"	15.2	3,725.5		TRIM/REMOVE
99970	HORIZONTAL	TREE	N34° 42' 43.44"	W112° 01' 56.10"	10.2	3,720.5		TRIM/REMOVE
99978	HORIZONTAL	TREE	N34° 42' 43.29"	W112° 01' 56.84"	2.7	3,713.0		TRIM/REMOVE
99986	HORIZONTAL	TREE	N34° 42' 43.40"	W112° 01' 57.36"	6.0	3,716.3		TRIM/REMOVE
99994	HORIZONTAL	TREE	N34° 42' 43.51"	W112° 01' 57.53"	6.7	3,717.0		TRIM/REMOVE
100002	HORIZONTAL	TREE	N34° 42' 43.76"	W112° 01' 57.98"	7.7	3,718.0		TRIM/REMOVE
100010	HORIZONTAL	TREE	N34° 42' 43.58"	W112° 01' 58.36"	5.1	3,715.4		TRIM/REMOVE
100042	HORIZONTAL	TREE	N34° 42' 43.10"	W112° 01' 55.86"	2.0	3,712.3		TRIM/REMOVE
100058	HORIZONTAL	TREE	N34° 42' 43.21"	W112° 01' 54.18"	3.6	3,713.9		TRIM/REMOVE
100066	HORIZONTAL	TREE	N34° 42' 44.10"	W112° 01' 53.90"	13.9	3,724.2		TRIM/REMOVE
100074	HORIZONTAL	TREE	N34° 42' 44.41"	W112° 01' 53.66"	15.4	3,725.7		TRIM/REMOVE
100114	HORIZONTAL	TREE	N34° 42' 43.64"	W112° 01' 59.49"	3.2	3,713.5		TRIM/REMOVE
100122	HORIZONTAL	TREE	N34° 42' 44.16"	W112° 01' 58.92"	19.3	3,729.6		TRIM/REMOVE
100130	HORIZONTAL	TREE	N34° 42' 41.62"	W112° 02' 01.53"	2.2	3,712.5		TRIM/REMOVE
100154	HORIZONTAL	TREE	N34° 42' 36.84"	W112° 02' 04.41"	7.3	3,717.6		TRIM/REMOVE
100162	HORIZONTAL	TREE	N34° 42' 37.09"	W112° 02' 04.70"	24.4	3,734.7		TRIM/REMOVE
100170	HORIZONTAL	TREE	N34° 42' 37.54"	W112° 02' 04.72"	25.9	3,736.2		TRIM/REMOVE
100186	HORIZONTAL	TREE	N34° 42' 36.27"	W112° 02' 03.60"	1.0	3,711.3		TRIM/REMOVE
100194	HORIZONTAL	TREE	N34° 42' 36.22"	W112° 02' 03.08"	2.5	3,712.8		TRIM/REMOVE
100202	HORIZONTAL	TREE	N34° 42' 36.08"	W112° 02' 02.59"	8.9	3,719.2		TRIM/REMOVE
100258	HORIZONTAL	TREE	N34° 42' 36.30"	W112° 01' 59.10"	6.1	3,716.4		TRIM/REMOVE
100266	HORIZONTAL	TREE	N34° 42' 35.86"	W112° 01' 58.70"	0.6	3,710.9		TRIM/REMOVE
100274	HORIZONTAL	TREE	N34° 42' 35.11"	W112° 01' 58.65"	18.5	3,728.8		TRIM/REMOVE
100282	HORIZONTAL	TREE	N34° 42' 35.78"	W112° 01' 59.19"	15.2	3,725.5		TRIM/REMOVE
100298	HORIZONTAL	TREE	N34° 42' 35.26"	W112° 01' 57.49"	5.8	3,716.1		TRIM/REMOVE
100306	HORIZONTAL	TREE	N34° 42' 35.09"	W112° 01' 56.33"	6.6	3,716.9		TRIM/REMOVE
100314	HORIZONTAL	TREE	N34° 42' 35.70"	W112° 01' 55.83"	4.6	3,714.9		TRIM/REMOVE
100322	HORIZONTAL	TREE	N34° 42' 35.87"	W112° 01' 55.40"	2.1	3,712.4		TRIM/REMOVE
100330	HORIZONTAL	TREE	N34° 42' 35.57"	W112° 01' 55.25"	7.8	3,718.1		TRIM/REMOVE
100346	HORIZONTAL	TREE	N34° 42' 35.43"	W112° 01' 53.95"	0.1	3,710.4		TRIM/REMOVE
100354	HORIZONTAL	TREE	N34° 42' 35.41"	W112° 01' 53.56"	0.6	3,710.9		TRIM/REMOVE
100386	HORIZONTAL	TREE	N34° 42' 35.18"	W112° 01' 52.54"	2.9	3,713.2		TRIM/REMOVE
103946	HORIZONTAL	TREE	N34° 42' 34.90"	W112° 02' 04.01"	38.9	3,749.2		TRIM/REMOVE
103954	HORIZONTAL	TREE	N34° 42' 35.41"	W112° 02' 03.75"	31.4	3,741.7		TRIM/REMOVE
103962	HORIZONTAL	TREE	N34° 42' 35.75"	W112° 02' 03.66"	24.1	3,734.4		TRIM/REMOVE
103970	HORIZONTAL	TREE	N34° 42' 35.89"	W112° 02' 03.14"	15.7	3,726.0		TRIM/REMOVE
103978	HORIZONTAL	TREE	N34° 42' 35.41"	W112° 02' 02.57"	30.5	3,740.8		TRIM/REMOVE
103986	HORIZONTAL	TREE	N34° 42' 34.90"	W112° 02' 01.93"	32.2	3,742.5		TRIM/REMOVE
103994	HORIZONTAL	TREE	N34° 42' 35.25"	W112° 02' 01.22"	23.2	3,733.5		TRIM/REMOVE
104002	HORIZONTAL	TREE	N34° 42' 35.09"	W112° 02' 00.81"	28.1	3,738.4		TRIM/REMOVE
104010	HORIZONTAL	TREE	N34° 42' 35.29"	W112° 02' 00.40"	27.7	3,738.0		TRIM/REMOVE
104018	HORIZONTAL	TREE	N34° 42' 35.94"	W112° 02' 00.23"	20.2	3,730.5		TRIM/REMOVE
104026	HORIZONTAL	TREE	N34° 42' 35.61"	W112° 02' 00.91"	17.1	3,727.4		TRIM/REMOVE
104034	HORIZONTAL	TREE	N34° 42' 35.32"	W112° 01' 59.72"	19.3	3,729.6		TRIM/REMOVE
104042	HORIZONTAL	TREE	N34° 42' 34.85"	W112° 01' 59.88"	23.3	3,733.6		TRIM/REMOVE
104050	HORIZONTAL	TREE	N34° 42' 34.30"	W112° 01' 59.52"	22.0	3,732.3		TRIM/REMOVE
104234	HORIZONTAL	TREE	N34° 42' 34.43"	W112° 01' 57.75"	18.2	3,728.5		TRIM/REMOVE
104242	HORIZONTAL	TREE	N34° 42' 34.44"	W112° 01' 58.11"	18.9	3,729.2		TRIM/REMOVE
104250	HORIZONTAL	TREE	N34° 42' 34.70"	W112° 01' 58.56"	18.3	3,728.6		TRIM/REMOVE
104258	HORIZONTAL	TREE	N34° 42' 34.96"	W112° 01' 58.29"	17.8	3,728.1		TRIM/REMOVE
104266	HORIZONTAL	TREE	N34° 42' 34.94"	W112° 01' 57.88"	13.6	3,723.9		TRIM/REMOVE
104338	HORIZONTAL	TREE	N34° 42' 34.07"	W112° 01' 53.95"	8.7	3,719.0		TRIM/REMOVE
104346	HORIZONTAL	TREE	N34° 42' 34.40"	W112° 01' 54.38"	10.5	3,720.8		TRIM/REMOVE

NOTES

1. SURVEY PERFORMED JULY 2020.
2. PART 77 SURFACES BASED ON 14 CFR PART 77.
3. PART 77 APPROACH SURFACES SHOWN ON SHEET 34 - INNER PORTION OF THE APPROACH SURFACE DRAWING; PART 77 APPROACH SURFACE OBSTRUCTIONS LISTED ON SHEETS 35-36.
4. TRAVERSEWAY ELEVATIONS INCLUDE THE FOLLOWING ADJUSTMENTS: PRIVATE ROADS: 10', PUBLIC ROADS: 15'. NO INTERSTATE HIGHWAYS OR RAILROADS ARE LOCATED IN THE IMMEDIATE VICINITY OF THE AIRPORT.
5. SURVEY IDENTIFIED A TOTAL OF 6,298 OBSTRUCTIONS TO PART 77 SURFACES, NOT INCLUDING PART 77 APPROACH SURFACES. OBSTRUCTIONS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT TOP 2% OF PENETRATIONS TO EACH PART 77 SURFACE.
6. OBSTRUCTION GROUPS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT APPROXIMATE LOCATION OF ALL OBSTRUCTIONS. COMPREHENSIVE LISTS OF OBSTRUCTIONS TO EACH PART 77 SURFACE, NOT INCLUDING PART 77 APPROACH SURFACES, ARE INCLUDED ON SHEETS 7-33.
7. OBSTRUCTION DESCRIPTIONS ARE GROUPED IN THE SUMMARY TABLE ON SHEET 6 - AIRPORT AIRSPACE DRAWING PER THE FOLLOWING: VEGETATION = BUSH, SCRUB, TREE; GROUND = GROUND; BUILDINGS/HANGARS = BUILDING, HANGAR; POLES/TOWERS = ANTENNA, BEACON, POLE, POLE_LIGHT, POLE_UTIL, POST, TRANSMISSION_PYLON, VERTICAL_POINT; NAVAIDS = PAPI, PAPI_CONTROL_BOX, REIL, SIGN, WINDSOCK; GROUND TRANSPORTATION = PARKING_LOT, ROAD - PRIVATE, ROAD - PUBLIC, STREET SIGN; UTILITY INFRASTRUCTURE = A/G PIPE, DAM, ELEC_BOX, MISC_UTIL, SOLAR_PANELS, TANK, TRANSFORMER; FENCE = FENCE, GATE; OTHER = CANOPY, DIRT_PILE, WALL
8. ALL HEIGHTS SHOWN IN FEET.
9. OBSTRUCTION HEIGHT ABOVE GROUND LEVEL PROVIDED WHERE AVAILABLE.
10. DEFINITIONS: PEN = PENETRATION; MSL = MEAN SEA LEVEL; AGL = ABOVE GROUND LEVEL; OL = OBSTRUCTION LIGHTING; DNH = DETERMINATION OF NO HAZARD

NO.	DATE	REVISIONS	BY	APPR.
5				
4				
3				
2				
1				

Kimley»Horn
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COTTONWOOD MUNICIPAL AIRPORT
COTTONWOOD, AZ

AIRPORT AIRSPACE DRAWING - PART 77 SURFACE PENETRATION TABLES (14 OF 27)

JOB NO. 291447000	DRAWN	KH	CHECKED	CBW	SHEET 20 OF 40
DATE: DECEMBER 2022	DESIGNED	JTC	APPROVED	CBW	

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
HORIZONTAL SURFACE PENETRATION GROUP *(CONT.)*								
104354	HORIZONTAL	TREE	N34° 42' 34.88"	W112° 01' 54.70"	14.4	3,724.7		TRIM/REMOVE
104362	HORIZONTAL	TREE	N34° 42' 34.59"	W112° 01' 53.44"	4.5	3,714.8		TRIM/REMOVE
104370	HORIZONTAL	TREE	N34° 42' 35.10"	W112° 01' 53.12"	1.1	3,711.4		TRIM/REMOVE
104378	HORIZONTAL	TREE	N34° 42' 34.66"	W112° 01' 52.78"	1.3	3,711.6		TRIM/REMOVE
104394	HORIZONTAL	TREE	N34° 42' 34.64"	W112° 01' 59.67"	23.0	3,733.3		TRIM/REMOVE
104402	HORIZONTAL	TREE	N34° 42' 34.96"	W112° 02' 01.29"	24.0	3,734.3		TRIM/REMOVE
104522	HORIZONTAL	SCRUB	N34° 42' 35.05"	W112° 02' 03.21"	30.3	3,740.6		TRIM/REMOVE
109722	HORIZONTAL	TREE	N34° 42' 34.21"	W112° 01' 56.84"	14.6	3,724.9		TRIM/REMOVE
109858	HORIZONTAL	TREE	N34° 42' 34.16"	W112° 01' 56.29"	13.6	3,723.9		TRIM/REMOVE
109866	HORIZONTAL	TREE	N34° 42' 34.73"	W112° 01' 56.59"	11.4	3,721.7		TRIM/REMOVE
109874	HORIZONTAL	TREE	N34° 42' 34.64"	W112° 01' 55.93"	10.5	3,720.8		TRIM/REMOVE
109890	HORIZONTAL	SCRUB	N34° 42' 34.07"	W112° 01' 53.47"	1.4	3,711.7		TRIM/REMOVE
110098	HORIZONTAL	SCRUB	N34° 42' 34.32"	W112° 01' 59.12"	17.7	3,728.0		TRIM/REMOVE
110106	HORIZONTAL	SCRUB	N34° 42' 34.92"	W112° 01' 59.20"	16.5	3,726.8		TRIM/REMOVE
110114	HORIZONTAL	SCRUB	N34° 42' 35.45"	W112° 01' 58.90"	9.3	3,719.6		TRIM/REMOVE
110122	HORIZONTAL	SCRUB	N34° 42' 35.54"	W112° 01' 59.46"	13.8	3,724.1		TRIM/REMOVE
110130	HORIZONTAL	TREE	N34° 42' 36.53"	W112° 01' 59.73"	0.4	3,710.7		TRIM/REMOVE
110138	HORIZONTAL	TREE	N34° 42' 35.91"	W112° 01' 59.62"	13.5	3,723.8		TRIM/REMOVE
110146	HORIZONTAL	TREE	N34° 42' 35.79"	W112° 02' 02.31"	14.2	3,724.5		TRIM/REMOVE
110170	HORIZONTAL	TREE	N34° 42' 36.27"	W112° 01' 59.94"	4.6	3,714.9		TRIM/REMOVE
110178	HORIZONTAL	TREE	N34° 42' 35.28"	W112° 01' 58.25"	3.7	3,714.0		TRIM/REMOVE
110186	HORIZONTAL	TREE	N34° 42' 35.16"	W112° 01' 55.94"	5.2	3,715.5		TRIM/REMOVE
110194	HORIZONTAL	SCRUB	N34° 42' 35.14"	W112° 01' 55.49"	2.2	3,712.5		TRIM/REMOVE
110202	HORIZONTAL	SCRUB	N34° 42' 34.42"	W112° 01' 55.33"	7.3	3,717.6		TRIM/REMOVE
110242	HORIZONTAL	SCRUB	N34° 42' 34.22"	W112° 01' 54.82"	5.1	3,715.4		TRIM/REMOVE
110250	HORIZONTAL	SCRUB	N34° 42' 34.81"	W112° 01' 55.09"	5.6	3,715.9		TRIM/REMOVE
110258	HORIZONTAL	TREE	N34° 42' 35.05"	W112° 01' 53.91"	6.1	3,716.4		TRIM/REMOVE
110338	HORIZONTAL	SCRUB	N34° 42' 34.61"	W112° 01' 54.05"	0.5	3,710.8		TRIM/REMOVE
110386	HORIZONTAL	SCRUB	N34° 42' 34.90"	W112° 02' 02.44"	26.1	3,736.4		TRIM/REMOVE
110394	HORIZONTAL	TREE	N34° 42' 35.99"	W112° 02' 03.57"	16.0	3,726.3		TRIM/REMOVE
110402	HORIZONTAL	TREE	N34° 42' 35.90"	W112° 02' 04.61"	21.2	3,731.5		TRIM/REMOVE
110410	HORIZONTAL	TREE	N34° 42' 36.40"	W112° 02' 05.61"	35.8	3,746.1		TRIM/REMOVE
110418	HORIZONTAL	SCRUB	N34° 42' 36.02"	W112° 02' 05.88"	38.0	3,748.3		TRIM/REMOVE
110426	HORIZONTAL	SCRUB	N34° 42' 36.47"	W112° 02' 06.38"	42.6	3,752.9		TRIM/REMOVE
110434	HORIZONTAL	SCRUB	N34° 42' 36.89"	W112° 02' 06.72"	45.6	3,755.9		TRIM/REMOVE
110442	HORIZONTAL	SCRUB	N34° 42' 37.45"	W112° 02' 05.76"	40.0	3,750.3		TRIM/REMOVE
110450	HORIZONTAL	SCRUB	N34° 42' 37.06"	W112° 02' 05.36"	35.3	3,745.6		TRIM/REMOVE
110458	HORIZONTAL	TREE	N34° 42' 36.40"	W112° 02' 04.91"	18.5	3,728.8		TRIM/REMOVE
110466	HORIZONTAL	TREE	N34° 42' 36.17"	W112° 02' 04.39"	6.0	3,716.3		TRIM/REMOVE
110474	HORIZONTAL	SCRUB	N34° 42' 38.66"	W112° 02' 07.59"	56.4	3,766.7		TRIM/REMOVE
110482	HORIZONTAL	SCRUB	N34° 42' 38.27"	W112° 02' 06.97"	51.0	3,761.3		TRIM/REMOVE
110490	HORIZONTAL	SCRUB	N34° 42' 39.05"	W112° 02' 07.16"	55.9	3,766.2		TRIM/REMOVE
110498	HORIZONTAL	SCRUB	N34° 42' 39.00"	W112° 02' 07.96"	58.5	3,768.8		TRIM/REMOVE
110506	HORIZONTAL	SCRUB	N34° 42' 38.45"	W112° 02' 08.08"	57.7	3,768.0		TRIM/REMOVE
110514	HORIZONTAL	SCRUB	N34° 42' 38.00"	W112° 02' 08.62"	60.8	3,771.1		TRIM/REMOVE
110522	HORIZONTAL	SCRUB	N34° 42' 38.32"	W112° 02' 09.28"	65.7	3,776.0		TRIM/REMOVE
110530	HORIZONTAL	SCRUB	N34° 42' 38.88"	W112° 02' 09.51"	70.8	3,781.1		TRIM/REMOVE
110538	HORIZONTAL	SCRUB	N34° 42' 39.30"	W112° 02' 09.63"	76.6	3,786.9		TRIM/REMOVE
110546	HORIZONTAL	SCRUB	N34° 42' 39.98"	W112° 02' 08.99"	76.6	3,786.9		TRIM/REMOVE
110554	HORIZONTAL	SCRUB	N34° 42' 39.87"	W112° 02' 08.32"	69.7	3,780.0		TRIM/REMOVE
110562	HORIZONTAL	SCRUB	N34° 42' 40.33"	W112° 02' 09.60"	81.4	3,791.7		TRIM/REMOVE
110620	HORIZONTAL	TREE	N34° 42' 40.23"	W112° 02' 10.57"	90.1	3,800.4		TRIM/REMOVE
110628	HORIZONTAL	TREE	N34° 42' 39.86"	W112° 02' 10.57"	87.9	3,798.2		TRIM/REMOVE
110636	HORIZONTAL	TREE	N34° 42' 42.22"	W112° 02' 10.77"	61.8	3,772.1		TRIM/REMOVE
110644	HORIZONTAL	TREE	N34° 42' 42.22"	W112° 02' 11.54"	48.5	3,758.8		TRIM/REMOVE
110660	HORIZONTAL	TREE	N34° 42' 41.94"	W112° 02' 12.81"	44.1	3,754.4		TRIM/REMOVE
110668	HORIZONTAL	SCRUB	N34° 42' 41.07"	W112° 02' 10.10"	86.4	3,796.7		TRIM/REMOVE
110676	HORIZONTAL	SCRUB	N34° 42' 40.61"	W112° 02' 11.03"	89.9	3,800.2		TRIM/REMOVE
110684	HORIZONTAL	SCRUB	N34° 42' 40.59"	W112° 02' 11.81"	84.8	3,795.1		TRIM/REMOVE
110692	HORIZONTAL	SCRUB	N34° 42' 39.89"	W112° 02' 11.28"	91.8	3,802.1		TRIM/REMOVE
110700	HORIZONTAL	SCRUB	N34° 42' 40.55"	W112° 02' 10.24"	87.1	3,797.4		TRIM/REMOVE
110708	HORIZONTAL	SCRUB	N34° 42' 39.88"	W112° 02' 10.15"	82.3	3,792.6		TRIM/REMOVE
110716	HORIZONTAL	SCRUB	N34° 42' 40.78"	W112° 02' 09.13"	80.7	3,791.0		TRIM/REMOVE
110724	HORIZONTAL	SCRUB	N34° 42' 41.26"	W112° 02' 09.68"	83.9	3,794.2		TRIM/REMOVE
110732	HORIZONTAL	SCRUB	N34° 42' 41.60"	W112° 02' 10.33"	77.1	3,787.4		TRIM/REMOVE
110740	HORIZONTAL	SCRUB	N34° 42' 42.75"	W112° 02' 09.43"	60.0	3,770.3		TRIM/REMOVE
110748	HORIZONTAL	SCRUB	N34° 42' 42.74"	W112° 02' 10.32"	44.1	3,754.4		TRIM/REMOVE
110756	HORIZONTAL	SCRUB	N34° 42' 43.12"	W112° 02' 08.75"	61.1	3,771.4		TRIM/REMOVE
110764	HORIZONTAL	SCRUB	N34° 42' 42.26"	W112° 02' 08.19"	80.6	3,790.9		TRIM/REMOVE
110772	HORIZONTAL	SCRUB	N34° 42' 41.49"	W112° 02' 08.70"	80.9	3,791.2		TRIM/REMOVE
110780	HORIZONTAL	SCRUB	N34° 42' 40.94"	W112° 02' 08.01"	72.4	3,782.7		TRIM/REMOVE
110788	HORIZONTAL	SCRUB	N34° 42' 41.90"	W112° 02' 07.40"	75.5	3,785.8		TRIM/REMOVE
110796	HORIZONTAL	SCRUB	N34° 42' 42.14"	W112° 02' 06.57"	72.7	3,783.0		TRIM/REMOVE
110804	HORIZONTAL	SCRUB	N34° 42' 42.54"	W112° 02' 06.90"	77.5	3,787.8		TRIM/REMOVE
110812	HORIZONTAL	SCRUB	N34° 42' 43.05"	W112° 02' 07.06"	77.7	3,788.0		TRIM/REMOVE
110820	HORIZONTAL	SCRUB	N34° 42' 42.99"	W112° 02' 06.24"	77.0	3,787.3		TRIM/REMOVE
110828	HORIZONTAL	SCRUB	N34° 42' 42.46"	W112° 02' 06.09"	71.5	3,781.8		TRIM/REMOVE
110836	HORIZONTAL	SCRUB	N34° 42' 43.28"	W112° 02' 05.64"	74.6	3,784.9		TRIM/REMOVE
110844	HORIZONTAL	SCRUB	N34° 42' 44.18"	W112° 02' 05.73"	80.3	3,790.6		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
HORIZONTAL SURFACE PENETRATION GROUP *(CONT.)*								
110852	HORIZONTAL	SCRUB	N34° 42' 44.69"	W112° 02' 06.23"	63.1	3,773.4		TRIM/REMOVE
110860	HORIZONTAL	SCRUB	N34° 42' 44.80"	W112° 02' 05.55"	75.0	3,785.3		TRIM/REMOVE
110868	HORIZONTAL	TREE	N34° 42' 45.43"	W112° 02' 05.12"	76.1	3,786.4		TRIM/REMOVE
110876	HORIZONTAL	SCRUB	N34° 42' 44.98"	W112° 02' 04.56"	83.2	3,793.5		TRIM/REMOVE
110884	HORIZONTAL	SCRUB	N34° 42' 44.49"	W112° 02' 05.16"	82.8	3,793.1		TRIM/REMOVE
110892	HORIZONTAL	TREE	N34° 42' 43.71"	W112° 02' 05.43"	83.4	3,793.7		TRIM/REMOVE
110900	HORIZONTAL	TREE	N34° 42' 44.31"	W112° 02' 03.74"	74.9	3,785.2		TRIM/REMOVE
110908	HORIZONTAL	SCRUB	N34° 42' 45.32"	W112° 02' 02.85"	79.3	3,789.6		TRIM/REMOVE
110916	HORIZONTAL	SCRUB	N34° 42' 45.86"	W112° 02' 02.81"	82.6	3,792.9		TRIM/REMOVE
110924	HORIZONTAL	SCRUB	N34° 42' 46.00"	W112° 02' 03.33"	83.2	3,793.5		TRIM/REMOVE
110932	HORIZONTAL	SCRUB	N34° 42' 46.31"	W112° 02' 02.72"	83.0	3,793.4		TRIM/REMOVE
110940	HORIZONTAL	SCRUB	N34° 42' 46.28"	W112° 02' 02.21"	80.6	3,790.9		TRIM/REMOVE
110948	HORIZONTAL	TREE	N34° 42' 46.28"	W112° 02' 01.80"	82.1	3,792.4		TRIM/REMOVE
110956	HORIZONTAL	TREE	N34° 42' 46.03"	W112° 02' 00.68"	76.0	3,786.3		TRIM/REMOVE
110964	HORIZONTAL	SCRUB	N34° 42' 47.18"	W112° 02' 02.11"	80.8	3,791.1		TRIM/REMOVE
110972	HORIZONTAL	SCRUB	N34° 42' 47.37"	W112° 02' 02.64"	74.8	3,785.1		TRIM/REMOVE
110980	HORIZONTAL	SCRUB	N34° 42' 46.56"	W112° 02' 03.30"	78.6	3,788.9		TRIM/REMOVE
110988	HORIZONTAL	SCRUB	N34° 42' 47.09"	W112° 02' 03.72"	66.1	3,776.4		TRIM/REMOVE
110996	HORIZONTAL	SCRUB	N34° 42' 47.17"	W112° 02' 03.08"	73.9	3,784.2		TRIM/REMOVE
111004	HORIZONTAL	SCRUB	N34° 42' 46.75"	W112° 02' 04.19"	58.8	3,769.1		TRIM/REMOVE
111012	HORIZONTAL	TREE	N34° 42' 46.32"	W112° 02' 04.97"	60.5	3,770.8		TRIM/REMOVE
111020	HORIZONTAL	TREE	N34° 42' 46.01"	W112° 02' 05.49"	54.7	3,765.0		TRIM/REMOVE
111028	HORIZONTAL	TREE	N34° 42' 46.10"	W112° 02' 05.97"	44.9	3,755.2		TRIM/REMOVE
111036	HORIZONTAL	TREE	N34° 42' 45.42"	W112° 02' 06.16"	52.9	3,763.2		TRIM/REMOVE
111044	HORIZONTAL	TREE	N34° 42' 45.65"	W112° 02' 06.87"	33.9	3,744.2		TRIM/REMOVE
111052	HORIZONTAL	TREE	N34° 42' 46.00"	W112° 02' 07.17"	28.2	3,738.5		TRIM/REMOVE
111060	HORIZONTAL	TREE	N34° 42' 45.95"	W112° 02' 07.84"	12.8	3,723.1		TRIM/REMOVE
111068	HORIZONTAL	TREE	N34° 42' 46.31"	W112° 02' 07.85"	10.0	3,720.3		TRIM/REMOVE
111076	HORIZONTAL	TREE	N34° 42' 46.64"	W112° 02' 07.58"	4.1	3,714.4		TRIM/REMOVE
111084	HORIZONTAL	TREE	N34° 42' 47.13"	W112° 02' 07.13"	3.0	3,713.3		TRIM/REMOVE
111092	HORIZONTAL	TREE	N34° 42' 46.83"	W112° 02' 06.38"	21.9	3,732.2		TRIM/REMOVE
111100	HORIZONTAL	TREE	N34° 42' 46.64"	W112° 02' 05.63"	38.4	3,748.7		TRIM/REMOVE
111108	HORIZONTAL	TREE	N34° 42' 46.97"	W112° 02' 04.91"	47.4	3,757.7		TRIM/REMOVE
111116	HORIZONTAL	TREE	N34° 42' 47.31"	W112° 02' 05.11"	35.4	3,745.7		TRIM/REMOVE
111124	HORIZONTAL	TREE	N34° 42' 47.16"	W112° 02' 05.68"	24.4	3,734.7		TRIM/REMOVE
111132	HORIZONTAL	TREE	N34° 42' 47.11"	W112° 02' 06.15"	17.6	3,727.9		TRIM/REMOVE
111140	HORIZONTAL	TREE	N34° 42' 47.61"	W112° 02' 06.36"	6.1	3,716.4		TRIM/REMOVE
111156	HORIZONTAL	TREE	N34° 42' 48.24"	W112° 02' 05.69"	5.2	3,715.5		TRIM/REMOVE
111172	HORIZONTAL	TREE	N34° 42' 48.99"	W112° 02' 04.80"	5.6	3,715.9		TRIM/REMOVE
111196	HORIZONTAL	TREE	N34° 42' 50.84"	W112° 02' 00.13"	7.9	3,718.2		TRIM/REMOVE
111204	HORIZONTAL	TREE	N34° 42' 50.43"	W112° 01' 59.83"	25.6	3,735.9		TRIM/REMOVE
111212	HORIZONTAL	TREE	N34° 42' 49.95"	W112° 01' 59.72"	42.5	3,752.8		TRIM/REMOVE
111220	HORIZONTAL	TREE	N34° 42' 49.54"	W112° 01' 59.97"	55.1	3,765.4		TRIM/REMOVE
111228	HORIZONTAL	TREE	N34° 42' 48.83"	W112° 01' 59.79"	70.1	3,780.4		TRIM/REMOVE
111236	HORIZONTAL	TREE	N34° 42' 48.19"	W112° 01' 59.33"	72.3	3,782.6		TRIM/REMOVE
111244	HORIZONTAL	TREE	N34° 42' 46.88"	W112° 01' 59.26"	68.9	3,779.2		TRIM/REMOVE
111252	HORIZONTAL	TREE	N34° 42' 47.21"	W112° 02' 00.61"	77.6	3,787.9		TRIM/REMOVE
111260	HORIZONTAL	SCRUB	N34° 42' 46.20"	W112° 01' 58.41"	58.9	3,769.2		TRIM/REMOVE
111268	HORIZONTAL	SCRUB	N34° 42' 46.82"	W112° 01' 58.25"	57.6	3,767.9		TRIM/REMOVE
111276	HORIZONTAL	SCRUB	N34° 42' 47.21"	W112° 01' 57.93"	50.9	3,761.2		TRIM/REMOVE
111284	HORIZONTAL	SCRUB	N34° 42' 46.82"	W112° 01' 57.35"	43.3	3,753.6		TRIM/REMOVE
111292	HORIZONTAL	SCRUB	N34° 42' 47.41"	W112° 01' 57.46"	39.7	3,750.0		TRIM/REMOVE
111308	HORIZONTAL	TREE	N34° 42' 47.72"	W112° 01' 58.60"	64.0	3,774.3		TRIM/REMOVE
111316	HORIZONTAL	TREE	N34° 42' 45.23"	W112° 01' 58.59"	53.6	3,763.9		TRIM/REMOVE
111324	HORIZONTAL	TREE	N34° 42' 50.22"	W112° 01' 59.17"	31.6	3,741.9		TRIM/REMOVE
111332	HORIZONTAL	TREE	N34° 42' 50.02"	W112° 01' 59.38"	39.6	3,749.9		TRIM/REMOVE
111340	HORIZONTAL	TREE	N34° 42' 49.35"	W112° 01' 59.02"	57.9	3,768.2		TRIM/REMOVE
111348	HORIZONTAL	TREE	N34° 42' 49.01"	W112° 01' 59.34"	68.6	3,778.9		TRIM/REMOVE
111356	HORIZONTAL	TREE	N34° 42' 49.83"	W112° 01' 57.89"	25.9	3,736.2		TRIM/REMOVE
111364	HORIZONTAL	TREE	N34° 42' 50.56"	W112° 01' 58.63"	16.7	3,727.0		TRIM/REMOVE
111396	HORIZONTAL	TREE	N34° 42' 48.44"	W112° 02' 04.72"	22.0	3,732.3		TRIM/REMOVE
111404	HORIZONTAL	TREE	N34° 42' 47.96"	W112° 02' 05.04"	23.0	3,733.3		TRIM/REMOVE
111412	HORIZONTAL	TREE	N34° 42' 47.79"	W112° 02' 05.66"	11.2	3,721.5		TRIM/REMOVE
111428	HORIZONTAL	TREE	N34° 42' 47.31"	W112° 02' 05.88"	17.8	3,728.1		TRIM/REMOVE
111436	HORIZONTAL	TREE	N34° 42' 46.01"	W112° 02' 06.61"	28.0	3,738.3		TRIM/REMOVE
111652	HORIZONTAL	SCRUB	N34° 42' 43.94"	W112° 02' 12.68"	6.3	3,716.6		TRIM/REMOVE
111660	HORIZONTAL	TREE	N34° 42' 43.33"	W112° 02' 12.73"	17.2	3,727.5		TRIM/REMOVE
111668	HORIZONTAL	TREE	N34° 42' 43.09"	W112° 02' 11.87"	24.8	3,735.1		TRIM/REMOVE
111676	HORIZONTAL	TREE	N34° 42' 43.03"	W112° 02' 10.76"	36.0	3,746.3		TRIM/REMOVE
111684	HORIZONTAL	TREE	N34° 42' 43.24"	W112° 02' 11.29"	33.3	3,743.6		TRIM/REMOVE
111692	HORIZONTAL	SCRUB	N34° 42' 44.75"	W112° 02' 10.26"	0.3	3,710.6		TRIM/REMOVE
111700	HORIZONTAL	SCRUB	N34° 42' 44.20"	W112° 02' 10.22"	11.2	3,721.5		TRIM/REMOVE
111708	HORIZONTAL	SCRUB	N34° 42' 43.75"	W112° 02' 10.51"	18.2	3,728.5		TRIM/REMOVE
111716	HORIZONTAL	SCRUB	N34° 42' 43.37"	W112° 02' 10.31"	30.5	3,740.8		TRIM/REMOVE
111724	HORIZONTAL	SCRUB	N34° 42' 43.16"	W112° 02' 09.80"	42.7	3,753.0		TRIM/REMOVE
111732	HORIZONTAL	SCRUB	N34° 42' 43.70"	W112° 02' 08.66"	47.5	3,757.8		TRIM/REMOVE
111740	HORIZONTAL	SCRUB	N34° 42' 43.27"	W112° 02' 08.18"	64.0	3,774.3		TRIM/REMOVE
111748	HORIZONTAL	TREE	N34° 42' 43.95"	W112° 02' 08.19"	51.2	3,761.5		TRIM/REMOVE
111756	HORIZONTAL	TREE	N34° 42' 44.14"	W112° 02' 07.75"	53.1	3,763.4		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
HORIZONTAL SURFACE PENETRATION GROUP *(CONT.)*								
111764	HORIZONTAL	TREE	N34° 42' 46.71"	W112° 02' 07.01"	5.1	3,715.4		TRIM/REMOVE
111772	HORIZONTAL	TREE	N34° 42' 48.48"	W112° 02' 04.25"	23.3	3,733.6		TRIM/REMOVE
111780	HORIZONTAL	TREE	N34° 42' 47.96"	W112° 02' 04.00"	40.6	3,750.9		TRIM/REMOVE
111788	HORIZONTAL	TREE	N34° 42' 47.42"	W112° 02' 04.71"	40.9	3,751.2		TRIM/REMOVE
111796	HORIZONTAL	TREE	N34° 42' 47.54"	W112° 02' 05.38"	18.3	3,728.6		TRIM/REMOVE
111804	HORIZONTAL	TREE	N34° 42' 48.85"	W112° 02' 04.40"	11.4	3,721.7		TRIM/REMOVE
111812	HORIZONTAL	TREE	N34° 42' 48.80"	W112° 02' 04.05"	19.1	3,729.4		TRIM/REMOVE
111836	HORIZONTAL	TREE	N34° 42' 50.14"	W112° 02' 02.91"	3.1	3,713.4		TRIM/REMOVE
111844	HORIZONTAL	TREE	N34° 42' 50.13"	W112° 02' 02.51"	11.6	3,721.9		TRIM/REMOVE
111852	HORIZONTAL	SCRUB	N34° 42' 48.82"	W112° 02' 02.07"	57.6	3,767.9		TRIM/REMOVE
111860	HORIZONTAL	SCRUB	N34° 42' 49.04"	W112° 02' 02.66"	37.8	3,748.1		TRIM/REMOVE
111868	HORIZONTAL	SCRUB	N34° 42' 48.89"	W112° 02' 03.51"	27.4	3,737.7		TRIM/REMOVE
111876	HORIZONTAL	SCRUB	N34° 42' 49.39"	W112° 02' 03.26"	18.0	3,728.3		TRIM/REMOVE
111884	HORIZONTAL	SCRUB	N34° 42' 49.42"	W112° 02' 02.49"	31.4	3,741.7		TRIM/REMOVE
111892	HORIZONTAL	SCRUB	N34° 42' 49.12"	W112° 02' 03.79"	13.3	3,723.6		TRIM/REMOVE
111916	HORIZONTAL	SCRUB	N34° 42' 42.25"	W112° 02' 12.23"	37.5	3,747.8		TRIM/REMOVE
111924	HORIZONTAL	SCRUB	N34° 42' 41.36"	W112° 02' 10.91"	77.0	3,787.3		TRIM/REMOVE
111932	HORIZONTAL	SCRUB	N34° 42' 40.80"	W112° 02' 09.69"	83.8	3,794.1		TRIM/REMOVE
111940	HORIZONTAL	SCRUB	N34° 42' 41.55"	W112° 02' 06.46"	69.7	3,780.0		TRIM/REMOVE
111948	HORIZONTAL	SCRUB	N34° 42' 41.72"	W112° 02' 05.87"	68.2	3,778.5		TRIM/REMOVE
111956	HORIZONTAL	SCRUB	N34° 42' 42.63"	W112° 02' 04.42"	56.9	3,767.2		TRIM/REMOVE
111964	HORIZONTAL	SCRUB	N34° 42' 43.92"	W112° 02' 04.92"	76.9	3,787.2		TRIM/REMOVE
111972	HORIZONTAL	SCRUB	N34° 42' 44.64"	W112° 02' 03.90"	80.3	3,790.6		TRIM/REMOVE
111980	HORIZONTAL	SCRUB	N34° 42' 44.58"	W112° 02' 03.12"	72.7	3,783.0		TRIM/REMOVE
111988	HORIZONTAL	TREE	N34° 42' 44.73"	W112° 02' 00.86"	47.0	3,757.3		TRIM/REMOVE
111996	HORIZONTAL	SCRUB	N34° 42' 47.02"	W112° 01' 58.71"	62.5	3,772.8		TRIM/REMOVE
112004	HORIZONTAL	SCRUB	N34° 42' 47.56"	W112° 01' 58.18"	52.2	3,762.5		TRIM/REMOVE
112012	HORIZONTAL	SCRUB	N34° 42' 47.91"	W112° 01' 57.50"	36.3	3,746.6		TRIM/REMOVE
112020	HORIZONTAL	TREE	N34° 42' 48.10"	W112° 01' 56.95"	22.5	3,732.8		TRIM/REMOVE
112028	HORIZONTAL	SCRUB	N34° 42' 48.57"	W112° 01' 58.14"	47.0	3,757.3		TRIM/REMOVE
112036	HORIZONTAL	SCRUB	N34° 42' 48.41"	W112° 01' 58.74"	60.5	3,770.8		TRIM/REMOVE
112044	HORIZONTAL	SCRUB	N34° 42' 48.58"	W112° 01' 59.19"	69.7	3,780.0		TRIM/REMOVE
112052	HORIZONTAL	SCRUB	N34° 42' 49.14"	W112° 01' 58.11"	37.1	3,747.4		TRIM/REMOVE
112060	HORIZONTAL	SCRUB	N34° 42' 49.62"	W112° 01' 58.18"	30.5	3,740.8		TRIM/REMOVE
112068	HORIZONTAL	SCRUB	N34° 42' 49.85"	W112° 01' 58.78"	32.7	3,743.0		TRIM/REMOVE
112076	HORIZONTAL	SCRUB	N34° 42' 49.64"	W112° 01' 59.37"	47.3	3,757.6		TRIM/REMOVE
112084	HORIZONTAL	SCRUB	N34° 42' 49.07"	W112° 02' 00.00"	64.1	3,774.4		TRIM/REMOVE
112092	HORIZONTAL	SCRUB	N34° 42' 49.30"	W112° 01' 59.56"	57.2	3,767.5		TRIM/REMOVE
112100	HORIZONTAL	SCRUB	N34° 42' 49.45"	W112° 02' 00.40"	50.4	3,760.7		TRIM/REMOVE
112108	HORIZONTAL	SCRUB	N34° 42' 49.74"	W112° 02' 00.59"	41.7	3,752.0		TRIM/REMOVE
112116	HORIZONTAL	SCRUB	N34° 42' 49.29"	W112° 02' 01.30"	52.7	3,763.0		TRIM/REMOVE
112124	HORIZONTAL	SCRUB	N34° 42' 49.07"	W112° 02' 01.80"	52.1	3,762.4		TRIM/REMOVE
112132	HORIZONTAL	SCRUB	N34° 42' 49.60"	W112° 02' 01.54"	36.6	3,746.9		TRIM/REMOVE
112140	HORIZONTAL	SCRUB	N34° 42' 50.01"	W112° 02' 01.44"	25.0	3,735.3		TRIM/REMOVE
112148	HORIZONTAL	SCRUB	N34° 42' 50.03"	W112° 02' 01.97"	19.2	3,729.5		TRIM/REMOVE
112156	HORIZONTAL	SCRUB	N34° 42' 50.34"	W112° 02' 01.50"	14.0	3,724.3		TRIM/REMOVE
112164	HORIZONTAL	SCRUB	N34° 42' 50.52"	W112° 02' 00.83"	9.3	3,719.6		TRIM/REMOVE
112188	HORIZONTAL	SCRUB	N34° 42' 49.48"	W112° 02' 03.73"	7.1	3,717.4		TRIM/REMOVE
112204	HORIZONTAL	SCRUB	N34° 42' 47.11"	W112° 02' 06.71"	0.1	3,710.4		TRIM/REMOVE
112212	HORIZONTAL	SCRUB	N34° 42' 46.47"	W112° 02' 06.43"	15.6	3,725.9		TRIM/REMOVE
112220	HORIZONTAL	SCRUB	N34° 42' 45.64"	W112° 02' 07.45"	18.5	3,728.8		TRIM/REMOVE
112244	HORIZONTAL	SCRUB	N34° 42' 44.45"	W112° 02' 11.27"	2.0	3,712.3		TRIM/REMOVE
112252	HORIZONTAL	SCRUB	N34° 42' 43.57"	W112° 02' 06.86"	74.1	3,784.4		TRIM/REMOVE
112260	HORIZONTAL	SCRUB	N34° 42' 43.98"	W112° 02' 06.30"	77.2	3,787.5		TRIM/REMOVE
112268	HORIZONTAL	SCRUB	N34° 42' 45.42"	W112° 02' 04.33"	82.2	3,792.5		TRIM/REMOVE
112276	HORIZONTAL	SCRUB	N34° 42' 45.96"	W112° 02' 04.61"	68.6	3,778.9		TRIM/REMOVE
112284	HORIZONTAL	SCRUB	N34° 42' 45.78"	W112° 02' 03.91"	82.9	3,793.2		TRIM/REMOVE
112292	HORIZONTAL	SCRUB	N34° 42' 46.31"	W112° 02' 04.30"	66.7	3,777.0		TRIM/REMOVE
112300	HORIZONTAL	SCRUB	N34° 42' 45.80"	W112° 02' 05.16"	60.8	3,771.1		TRIM/REMOVE
112308	HORIZONTAL	SCRUB	N34° 42' 45.20"	W112° 02' 05.78"	62.1	3,772.4		TRIM/REMOVE
112316	HORIZONTAL	SCRUB	N34° 42' 45.07"	W112° 02' 06.46"	50.0	3,760.3		TRIM/REMOVE
112324	HORIZONTAL	SCRUB	N34° 42' 44.39"	W112° 02' 07.01"	56.2	3,766.5		TRIM/REMOVE
112332	HORIZONTAL	SCRUB	N34° 42' 43.24"	W112° 02' 07.64"	70.6	3,780.9		TRIM/REMOVE
112340	HORIZONTAL	SCRUB	N34° 42' 42.81"	W112° 02' 08.24"	72.7	3,783.0		TRIM/REMOVE
112348	HORIZONTAL	SCRUB	N34° 42' 41.98"	W112° 02' 09.38"	76.2	3,786.5		TRIM/REMOVE
112356	HORIZONTAL	SCRUB	N34° 42' 41.62"	W112° 02' 09.59"	81.2	3,791.5		TRIM/REMOVE
112364	HORIZONTAL	SCRUB	N34° 42' 42.09"	W112° 02' 10.30"	64.4	3,774.7		TRIM/REMOVE
112372	HORIZONTAL	SCRUB	N34° 42' 42.41"	W112° 02' 10.06"	58.2	3,768.5		TRIM/REMOVE
112380	HORIZONTAL	SCRUB	N34° 42' 42.02"	W112° 02' 11.19"	55.7	3,766.0		TRIM/REMOVE
112388	HORIZONTAL	SCRUB	N34° 42' 41.85"	W112° 02' 08.30"	81.1	3,791.4		TRIM/REMOVE
112396	HORIZONTAL	SCRUB	N34° 42' 43.61"	W112° 02' 04.39"	69.4	3,779.7		TRIM/REMOVE
112404	HORIZONTAL	SCRUB	N34° 42' 47.41"	W112° 01' 59.80"	71.0	3,781.3		TRIM/REMOVE
112412	HORIZONTAL	SCRUB	N34° 42' 47.64"	W112° 02' 02.21"	76.6	3,786.9		TRIM/REMOVE
112420	HORIZONTAL	SCRUB	N34° 42' 47.65"	W112° 02' 03.18"	62.5	3,772.8		TRIM/REMOVE
112428	HORIZONTAL	SCRUB	N34° 42' 48.36"	W112° 02' 03.75"	36.4	3,746.7		TRIM/REMOVE
112436	HORIZONTAL	SCRUB	N34° 42' 50.72"	W112° 01' 59.58"	7.4	3,717.7		TRIM/REMOVE
112444	HORIZONTAL	SCRUB	N34° 42' 50.59"	W112° 01' 59.14"	10.4	3,720.7		TRIM/REMOVE
112468	HORIZONTAL	SCRUB	N34° 42' 50.18"	W112° 01' 57.64"	7.3	3,717.6		TRIM/REMOVE
112484	HORIZONTAL	SCRUB	N34° 42' 49.80"	W112° 02' 03.18"	7.9	3,718.2		TRIM/REMOVE

NOTES

1. SURVEY PERFORMED JULY 2020.
2. PART 77 SURFACES BASED ON 14 CFR PART 77.
3. PART 77 APPROACH SURFACES SHOWN ON SHEET 34 - INNER PORTION OF THE APPROACH SURFACE DRAWING; PART 77 APPROACH SURFACE OBSTRUCTIONS LISTED ON SHEETS 35-36.
4. TRAVERSEWAY ELEVATIONS INCLUDE THE FOLLOWING ADJUSTMENTS: PRIVATE ROADS: 10', PUBLIC ROADS: 15'. NO INTERSTATE HIGHWAYS OR RAILROADS ARE LOCATED IN THE IMMEDIATE VICINITY OF THE AIRPORT.
5. SURVEY IDENTIFIED A TOTAL OF 6,298 OBSTRUCTIONS TO PART 77 SURFACES, NOT INCLUDING PART 77 APPROACH SURFACES. OBSTRUCTIONS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT TOP 2% OF PENETRATIONS TO EACH PART 77 SURFACE.
6. OBSTRUCTION GROUPS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT APPROXIMATE LOCATION OF ALL OBSTRUCTIONS. COMPREHENSIVE LISTS OF OBSTRUCTIONS TO EACH PART 77 SURFACE, NOT INCLUDING PART 77 APPROACH SURFACES, ARE INCLUDED ON SHEETS 7-33.
7. OBSTRUCTION DESCRIPTIONS ARE GROUPED IN THE SUMMARY TABLE ON SHEET 6 - AIRPORT AIRSPACE DRAWING PER THE FOLLOWING: VEGETATION = BUSH, SCRUB, TREE; GROUND = GROUND; BUILDINGS/HANGARS = BUILDING, HANGAR; POLES/TOWERS = ANTENNA, BEACON, POLE, POLE_LIGHT, POLE_UTIL, POST, TRANSMISSION_PYLON, VERTICAL_POINT; NAVAIDS = PAPI, PAPI_CONTROL_BOX, REIL, SIGN, WINDSOCK; GROUND TRANSPORTATION = PARKING_LOT, ROAD - PRIVATE, ROAD - PUBLIC, STREET SIGN; UTILITY INFRASTRUCTURE = A/G PIPE, DAM, ELEC_BOX, MISC_UTIL, SOLAR_PANELS, TANK, TRANSFORMER; FENCE = FENCE, GATE; OTHER = CANOPY, DIRT_PILE, WALL
8. ALL HEIGHTS SHOWN IN FEET.
9. OBSTRUCTION HEIGHT ABOVE GROUND LEVEL PROVIDED WHERE AVAILABLE.
10. DEFINITIONS: PEN = PENETRATION; MSL = MEAN SEA LEVEL; AGL = ABOVE GROUND LEVEL; OL = OBSTRUCTION LIGHTING; DNH = DETERMINATION OF NO HAZARD

NO.	DATE	REVISIONS	BY	APPR.
5				
4				
3				
2				
1				

Kimley»Horn

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FAA DISCLAMER

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COTTONWOOD MUNICIPAL AIRPORT
COTTONWOOD, AZ

AIRPORT AIRSPACE DRAWING - PART 77 SURFACE PENETRATION TABLES (15 OF 27)

JOB NO. 291447000	DRAWN KH	CHECKED CBW	SHEET 21 OF 40
DATE: DECEMBER 2022	DESIGNED JTC	APPROVED CBW	

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
HORIZONTAL SURFACE PENETRATION GROUP *(CONT.)*								
112500	HORIZONTAL	TREE	N34° 42' 42.57"	W112° 02' 11.14"	45.8	3,756.1		TRIM/REMOVE
112508	HORIZONTAL	TREE	N34° 42' 50.51"	W112° 01' 58.25"	13.5	3,723.8		TRIM/REMOVE
112532	HORIZONTAL	TREE	N34° 42' 46.65"	W112° 01' 55.89"	35.0	3,745.3		TRIM/REMOVE
112540	HORIZONTAL	SCRUB	N34° 42' 45.68"	W112° 01' 57.06"	45.7	3,756.0		TRIM/REMOVE
112548	HORIZONTAL	SCRUB	N34° 42' 46.39"	W112° 01' 57.14"	45.7	3,756.0		TRIM/REMOVE
112556	HORIZONTAL	SCRUB	N34° 42' 45.89"	W112° 01' 56.06"	41.3	3,751.6		TRIM/REMOVE
112564	HORIZONTAL	SCRUB	N34° 42' 45.45"	W112° 01' 56.02"	36.4	3,746.7		TRIM/REMOVE
112572	HORIZONTAL	SCRUB	N34° 42' 45.10"	W112° 01' 54.84"	30.3	3,740.6		TRIM/REMOVE
112580	HORIZONTAL	SCRUB	N34° 42' 43.48"	W112° 01' 54.80"	8.7	3,719.0		TRIM/REMOVE
112588	HORIZONTAL	GROUND	N34° 42' 43.72"	W112° 01' 54.15"	3.1	3,713.4		PROVIDE OL
112596	HORIZONTAL	TREE	N34° 42' 43.22"	W112° 02' 00.55"	6.6	3,716.9		TRIM/REMOVE
112604	HORIZONTAL	GROUND	N34° 42' 43.12"	W112° 02' 01.79"	12.3	3,722.6		PROVIDE OL
112612	HORIZONTAL	SCRUB	N34° 42' 40.90"	W112° 02' 02.91"	27.0	3,737.3		TRIM/REMOVE
112620	HORIZONTAL	SCRUB	N34° 42' 39.53"	W112° 02' 07.09"	55.7	3,766.0		TRIM/REMOVE
112628	HORIZONTAL	SCRUB	N34° 42' 38.27"	W112° 02' 05.74"	39.5	3,749.8		TRIM/REMOVE
112636	HORIZONTAL	SCRUB	N34° 42' 35.72"	W112° 02' 07.03"	46.8	3,757.1		TRIM/REMOVE
112652	HORIZONTAL	SCRUB	N34° 42' 35.87"	W112° 02' 08.51"	55.6	3,765.9		TRIM/REMOVE
112724	HORIZONTAL	SCRUB	N34° 42' 40.49"	W112° 02' 08.02"	70.1	3,780.4		TRIM/REMOVE
112732	HORIZONTAL	SCRUB	N34° 42' 40.68"	W112° 02' 08.61"	76.4	3,786.7		TRIM/REMOVE
112740	HORIZONTAL	SCRUB	N34° 42' 38.96"	W112° 02' 04.21"	12.8	3,723.1		TRIM/REMOVE
112748	HORIZONTAL	SCRUB	N34° 42' 38.90"	W112° 02' 05.68"	41.3	3,751.6		TRIM/REMOVE
112756	HORIZONTAL	SCRUB	N34° 42' 36.06"	W112° 02' 07.58"	49.3	3,759.6		TRIM/REMOVE
112764	HORIZONTAL	SCRUB	N34° 42' 36.42"	W112° 02' 08.05"	52.1	3,762.4		TRIM/REMOVE
112772	HORIZONTAL	SCRUB	N34° 42' 36.97"	W112° 02' 08.02"	52.4	3,762.7		TRIM/REMOVE
112780	HORIZONTAL	SCRUB	N34° 42' 37.00"	W112° 02' 08.79"	56.7	3,767.0		TRIM/REMOVE
112788	HORIZONTAL	SCRUB	N34° 42' 37.46"	W112° 02' 09.25"	60.2	3,770.5		TRIM/REMOVE
112796	HORIZONTAL	FENCE	N34° 42' 37.81"	W112° 02' 09.37"	63.4	3,773.7	4.9	REMOVE/LOWER/PROVIDE OL
112804	HORIZONTAL	FENCE	N34° 42' 37.82"	W112° 02' 08.05"	54.5	3,764.8	3.9	REMOVE/LOWER/PROVIDE OL
112812	HORIZONTAL	FENCE	N34° 42' 37.82"	W112° 02' 07.08"	49.3	3,759.6	4.5	REMOVE/LOWER/PROVIDE OL
112820	HORIZONTAL	FENCE	N34° 42' 37.79"	W112° 02' 05.73"	37.6	3,747.9	4.3	REMOVE/LOWER/PROVIDE OL
112828	HORIZONTAL	FENCE	N34° 42' 37.82"	W112° 02' 10.44"	74.1	3,784.4	7.5	REMOVE/LOWER/PROVIDE OL
112836	HORIZONTAL	FENCE	N34° 42' 37.79"	W112° 02' 11.98"	86.9	3,797.2	7.6	REMOVE/LOWER/PROVIDE OL
112844	HORIZONTAL	FENCE	N34° 42' 37.82"	W112° 02' 13.77"	101.6	3,811.9	8.1	REMOVE/LOWER/PROVIDE OL
112852	HORIZONTAL	TREE	N34° 42' 48.08"	W112° 02' 04.50"	25.4	3,735.7		TRIM/REMOVE
112860	HORIZONTAL	SCRUB	N34° 42' 48.66"	W112° 02' 02.64"	51.1	3,761.4		TRIM/REMOVE
112868	HORIZONTAL	SCRUB	N34° 42' 43.68"	W112° 02' 11.00"	16.6	3,726.9		TRIM/REMOVE
112876	HORIZONTAL	SCRUB	N34° 42' 38.88"	W112° 02' 10.11"	77.6	3,787.9		TRIM/REMOVE
113036	HORIZONTAL	TRANSMISSION_PYLON	N34° 44' 22.17"	W112° 03' 10.84"	0.4	3,710.7	67.6	REMOVE/LOWER/PROVIDE OL
113044	HORIZONTAL	TRANSMISSION_PYLON	N34° 44' 22.56"	W112° 03' 11.22"	2.4	3,712.7	68.4	REMOVE/LOWER/PROVIDE OL
114896	HORIZONTAL	SCRUB	N34° 42' 45.76"	W112° 02' 15.68"	0.3	3,710.6		TRIM/REMOVE
114928	HORIZONTAL	SCRUB	N34° 42' 43.28"	W112° 02' 13.93"	10.0	3,720.3		TRIM/REMOVE
114936	HORIZONTAL	SCRUB	N34° 42' 42.05"	W112° 02' 13.28"	34.5	3,744.8		TRIM/REMOVE
114944	HORIZONTAL	SCRUB	N34° 42' 41.44"	W112° 02' 11.82"	61.6	3,771.9		TRIM/REMOVE
114952	HORIZONTAL	SCRUB	N34° 42' 39.46"	W112° 02' 10.65"	86.6	3,796.9		TRIM/REMOVE
114960	HORIZONTAL	SCRUB	N34° 42' 36.96"	W112° 02' 06.19"	42.6	3,752.9		TRIM/REMOVE
114968	HORIZONTAL	SCRUB	N34° 42' 35.57"	W112° 02' 06.37"	42.2	3,752.5		TRIM/REMOVE
116240	HORIZONTAL	SCRUB	N34° 42' 34.77"	W112° 02' 00.63"	20.9	3,731.2		TRIM/REMOVE
116248	HORIZONTAL	SCRUB	N34° 42' 35.57"	W112° 02' 00.10"	13.5	3,723.8		TRIM/REMOVE
116256	HORIZONTAL	SCRUB	N34° 42' 34.89"	W112° 01' 57.08"	5.7	3,716.0		TRIM/REMOVE
116264	HORIZONTAL	SCRUB	N34° 42' 36.16"	W112° 02' 04.05"	0.6	3,710.9		TRIM/REMOVE
116272	HORIZONTAL	SCRUB	N34° 42' 35.14"	W112° 02' 04.35"	30.3	3,740.6		TRIM/REMOVE
116296	HORIZONTAL	SCRUB	N34° 42' 36.39"	W112° 02' 07.34"	47.7	3,758.0		TRIM/REMOVE
116304	HORIZONTAL	SCRUB	N34° 42' 36.99"	W112° 02' 07.21"	49.4	3,759.7		TRIM/REMOVE
116312	HORIZONTAL	SCRUB	N34° 42' 37.22"	W112° 02' 08.34"	55.5	3,765.8		TRIM/REMOVE
116320	HORIZONTAL	SCRUB	N34° 42' 37.41"	W112° 02' 08.66"	58.3	3,768.6		TRIM/REMOVE
116328	HORIZONTAL	SCRUB	N34° 42' 38.30"	W112° 02' 05.13"	36.0	3,746.3		TRIM/REMOVE
116336	HORIZONTAL	SCRUB	N34° 42' 39.46"	W112° 02' 05.03"	31.3	3,741.6		TRIM/REMOVE
116344	HORIZONTAL	TREE	N34° 42' 40.26"	W112° 02' 03.57"	31.4	3,741.7		TRIM/REMOVE
116352	HORIZONTAL	TREE	N34° 42' 40.39"	W112° 02' 04.95"	45.1	3,755.4		TRIM/REMOVE
116360	HORIZONTAL	TREE	N34° 42' 40.16"	W112° 02' 02.62"	14.1	3,724.4		TRIM/REMOVE
116368	HORIZONTAL	TREE	N34° 42' 41.46"	W112° 02' 01.82"	21.3	3,731.6		TRIM/REMOVE
116376	HORIZONTAL	TREE	N34° 42' 42.94"	W112° 02' 04.09"	56.4	3,766.7		TRIM/REMOVE
116384	HORIZONTAL	SCRUB	N34° 42' 40.35"	W112° 02' 07.22"	62.5	3,772.8		TRIM/REMOVE
116392	HORIZONTAL	SCRUB	N34° 42' 42.71"	W112° 02' 08.97"	67.5	3,777.8		TRIM/REMOVE
116400	HORIZONTAL	SCRUB	N34° 42' 42.73"	W112° 02' 07.38"	77.9	3,788.2		TRIM/REMOVE
116408	HORIZONTAL	SCRUB	N34° 42' 43.43"	W112° 02' 05.21"	73.8	3,784.1		TRIM/REMOVE
116416	HORIZONTAL	SCRUB	N34° 42' 42.77"	W112° 02' 05.77"	72.8	3,783.1		TRIM/REMOVE
116424	HORIZONTAL	SCRUB	N34° 42' 42.06"	W112° 02' 05.34"	64.0	3,774.3		TRIM/REMOVE
116432	HORIZONTAL	SCRUB	N34° 42' 42.41"	W112° 02' 03.99"	50.5	3,760.8		TRIM/REMOVE
116440	HORIZONTAL	SCRUB	N34° 42' 41.97"	W112° 02' 03.60"	41.3	3,751.6		TRIM/REMOVE
116448	HORIZONTAL	SCRUB	N34° 42' 41.29"	W112° 02' 03.02"	34.0	3,744.3		TRIM/REMOVE
116456	HORIZONTAL	SCRUB	N34° 42' 45.32"	W112° 01' 57.37"	46.0	3,756.3		TRIM/REMOVE
116464	HORIZONTAL	SCRUB	N34° 42' 45.85"	W112° 01' 55.30"	28.1	3,738.4		TRIM/REMOVE
116472	HORIZONTAL	TREE	N34° 42' 45.34"	W112° 01' 54.33"	18.7	3,729.0		TRIM/REMOVE
116480	HORIZONTAL	TREE	N34° 42' 44.91"	W112° 02' 00.32"	50.9	3,761.2		TRIM/REMOVE
116488	HORIZONTAL	TREE	N34° 42' 44.20"	W112° 02' 02.31"	52.0	3,762.3		TRIM/REMOVE
116496	HORIZONTAL	TREE	N34° 42' 44.00"	W112° 02' 03.73"	69.9	3,780.2		TRIM/REMOVE
116504	HORIZONTAL	SCRUB	N34° 42' 44.93"	W112° 02' 05.07"	79.1	3,789.4		TRIM/REMOVE
116512	HORIZONTAL	SCRUB	N34° 42' 44.52"	W112° 02' 04.52"	80.5	3,790.8		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
HORIZONTAL SURFACE PENETRATION GROUP *(CONT.)*								
116520	HORIZONTAL	SCRUB	N34° 42' 47.48"	W112° 02' 00.27"	74.6	3,784.9		TRIM/REMOVE
116528	HORIZONTAL	SCRUB	N34° 42' 47.78"	W112° 01' 59.24"	66.7	3,777.0		TRIM/REMOVE
116536	HORIZONTAL	SCRUB	N34° 42' 48.34"	W112° 01' 57.73"	37.0	3,747.3		TRIM/REMOVE
116544	HORIZONTAL	SCRUB	N34° 42' 49.02"	W112° 01' 57.02"	14.1	3,724.4		TRIM/REMOVE
116552	HORIZONTAL	SCRUB	N34° 42' 48.51"	W112° 01' 56.83"	14.5	3,724.8		TRIM/REMOVE
116560	HORIZONTAL	SCRUB	N34° 42' 48.04"	W112° 01' 56.37"	9.5	3,719.8		TRIM/REMOVE
116568	HORIZONTAL	FENCE	N34° 42' 44.38"	W112° 02' 09.93"	10.7	3,721.0	7.7	REMOVE/LOWER/PROVIDE OL
116576	HORIZONTAL	FENCE	N34° 42' 44.35"	W112° 02' 09.39"	15.1	3,725.4	5.9	REMOVE/LOWER/PROVIDE OL
116592	HORIZONTAL	FENCE	N34° 42' 43.57"	W112° 02' 09.39"	35.5	3,745.8	5.3	REMOVE/LOWER/PROVIDE OL
119526	HORIZONTAL	TANK	N34° 43' 31.59"	W112° 02' 48.69"	4.2	3,714.5	28.2	PROVIDE OL
119678	HORIZONTAL	DIRT_PILE	N34° 43' 34.66"	W112° 02' 49.17"	1.6	3,711.9	6.6	REMOVE/LOWER/PROVIDE OL
119686	HORIZONTAL	DIRT_PILE	N34° 43' 32.37"	W112° 02' 49.68"	6.6	3,716.9	13.9	REMOVE/LOWER/PROVIDE OL
119694	HORIZONTAL	DIRT_PILE	N34° 43' 33.33"	W112° 02' 50.60"	10.8	3,721.1	15.4	REMOVE/LOWER/PROVIDE OL
119702	HORIZONTAL	FENCE	N34° 43' 22.45"	W112° 02' 56.38"	32.1	3,742.4	7.8	REMOVE/LOWER/PROVIDE OL
119710	HORIZONTAL	FENCE	N34° 43' 21.74"	W112° 02' 57.30"	32.2	3,742.5	6.4	REMOVE/LOWER/PROVIDE OL
119718	HORIZONTAL	FENCE	N34° 43' 22.55"	W112° 02' 57.33"	33.4	3,743.7	6.2	REMOVE/LOWER/PROVIDE OL
119726	HORIZONTAL	FENCE	N34° 43' 21.71"	W112° 02' 56.70"	32.1	3,742.4	9.3	REMOVE/LOWER/PROVIDE OL
119758	HORIZONTAL	ROAD - PRIVATE	N34° 43' 29.88"	W112° 02' 54.16"	4.4	3,724.7	10.0	DNH
119766	HORIZONTAL	ROAD - PRIVATE	N34° 43' 29.05"	W112° 02' 55.02"	7.7	3,728.0	10.0	DNH
119774	HORIZONTAL	ROAD - PRIVATE	N34° 43' 28.06"	W112° 02' 55.59"	12.6	3,732.9	10.0	DNH
119782	HORIZONTAL	ROAD - PRIVATE	N34° 43' 27.00"	W112° 02' 56.21"	16.9	3,737.2	10.0	DNH
119790	HORIZONTAL	ROAD - PRIVATE	N34° 43' 25.96"	W112° 02' 56.91"	21.9	3,742.2	10.0	DNH
119798	HORIZONTAL	ROAD - PRIVATE	N34° 43' 24.78"	W112° 02' 57.64"	28.2	3,748.5	10.0	DNH
119806	HORIZONTAL	ROAD - PRIVATE	N34° 43' 23.95"	W112° 02' 58.57"	33.5	3,753.8	10.0	DNH
119814	HORIZONTAL	FENCE	N34° 43' 25.85"	W112° 02' 56.40"	19.7	3,730.0	8.0	REMOVE/LOWER/PROVIDE OL
119830	HORIZONTAL	FENCE	N34° 43' 24.77"	W112° 02' 53.10"	21.2	3,731.5	4.7	REMOVE/LOWER/PROVIDE OL
119838	HORIZONTAL	FENCE	N34° 43' 25.24"	W112° 02' 54.76"	15.6	3,725.9	4.5	REMOVE/LOWER/PROVIDE OL
119846	HORIZONTAL	FENCE	N34° 43' 24.78"	W112° 02' 57.18"	21.9	3,732.2	4.8	REMOVE/LOWER/PROVIDE OL
119854	HORIZONTAL	FENCE	N34° 43' 23.69"	W112° 02' 57.34"	25.8	3,736.1	4.1	REMOVE/LOWER/PROVIDE OL
133395	HORIZONTAL	TREE	N34° 42' 36.15"	W112° 02' 09.38"	65.6	3,775.9		TRIM/REMOVE
133459	HORIZONTAL	TREE	N34° 42' 38.94"	W112° 02' 17.29"	83.7	3,794.0		TRIM/REMOVE
133467	HORIZONTAL	TREE	N34° 42' 39.80"	W112° 02' 16.05"	73.9	3,784.2		TRIM/REMOVE
133475	HORIZONTAL	TREE	N34° 42' 40.46"	W112° 02' 16.92"	48.4	3,758.7		TRIM/REMOVE
133483	HORIZONTAL	TREE	N34° 42' 41.63"	W112° 02' 16.59"	34.4	3,744.7		TRIM/REMOVE
133491	HORIZONTAL	TREE	N34° 42' 41.14"	W112° 02' 15.18"	48.9	3,759.2		TRIM/REMOVE
133499	HORIZONTAL	TREE	N34° 42' 42.05"	W112° 02' 14.31"	37.4	3,747.7		TRIM/REMOVE
133507	HORIZONTAL	TREE	N34° 42' 41.19"	W112° 02' 13.87"	54.1	3,764.4		TRIM/REMOVE
133515	HORIZONTAL	TREE	N34° 42' 40.02"	W112° 02' 13.92"	88.9	3,799.2		TRIM/REMOVE
135411	HORIZONTAL	SCRUB	N34° 42' 36.71"	W112° 02' 11.61"	74.1	3,784.4		TRIM/REMOVE
135595	HORIZONTAL	SCRUB	N34° 42' 38.64"	W112° 02' 12.98"	98.0	3,808.3		TRIM/REMOVE
135603	HORIZONTAL	SCRUB	N34° 42' 38.90"	W112° 02' 12.14"	93.6	3,803.9		TRIM/REMOVE
135611	HORIZONTAL	SCRUB	N34° 42' 37.57"	W112° 02' 11.23"	76.6	3,786.9		TRIM/REMOVE
135619	HORIZONTAL	SCRUB	N34° 42' 37.03"	W112° 02' 10.22"	68.3	3,778.6		TRIM/REMOVE
135971	HORIZONTAL	TREE	N34° 42' 47.34"	W112° 02' 33.06"	61.5	3,771.8		TRIM/REMOVE
135979	HORIZONTAL	TREE	N34° 42' 48.68"	W112° 02' 32.89"	61.6	3,771.9		TRIM/REMOVE
135987	HORIZONTAL	TREE	N34° 42' 48.93"	W112° 02' 35.11"	62.8	3,773.1		TRIM/REMOVE
136003	HORIZONTAL	TREE	N34° 42' 50.88"	W112° 02' 37.11"	67.6	3,777.9		TRIM/REMOVE
136035	HORIZONTAL	TREE	N34° 42' 51.32"	W112° 02' 34.81"	53.8	3,764.1		TRIM/REMOVE
136043	HORIZONTAL	TREE	N34° 42' 51.45"	W112° 02' 32.10"	45.4	3,755.7		TRIM/REMOVE
136051	HORIZONTAL	TREE	N34° 42' 45.33"	W112° 02' 29.40"	59.0	3,769.3		TRIM/REMOVE
136059	HORIZONTAL	TREE	N34° 42' 44.27"	W112° 02' 28.04"	53.0	3,763.3		TRIM/REMOVE
136067	HORIZONTAL	TREE	N34° 42' 46.45"	W112° 02' 27.53"	47.2	3,757.5		TRIM/REMOVE
136075	HORIZONTAL	TREE	N34° 42' 47.03"	W112° 02' 28.29"	48.2	3,758.5		TRIM/REMOVE
136083	HORIZONTAL	TREE	N34° 42' 48.75"	W112° 02' 27.80"	44.4	3,754.7		TRIM/REMOVE
136091	HORIZONTAL	TREE	N34° 42' 47.92"	W112° 02' 25.98"	37.9	3,748.2		TRIM/REMOVE
136099	HORIZONTAL	TREE	N34° 42' 47.10"	W112° 02' 24.12"	39.7	3,750.0		TRIM/REMOVE
136107	HORIZONTAL	TREE	N34° 42' 47.84"	W112° 02' 23.19"	27.9	3,738.2		TRIM/REMOVE
136115	HORIZONTAL	TREE	N34° 42' 49.32"	W112° 02' 22.36"	23.8	3,734.1		TRIM/REMOVE
136123	HORIZONTAL	TREE	N34° 42' 50.92"	W112° 02' 22.12"	19.9	3,730.2		TRIM/REMOVE
136131	HORIZONTAL	TREE	N34° 42' 50.20"	W112° 02' 19.89"	8.7	3,719.0		TRIM/REMOVE
136139	HORIZONTAL	TREE	N34° 42' 49.90"	W112° 02' 18.70"	7.6	3,717.9		TRIM/REMOVE
136147	HORIZONTAL	TREE	N34° 42' 50.73"	W112° 02' 19.40"	5.7	3,716.0		TRIM/REMOVE
136155	HORIZONTAL	TREE	N34° 42' 51.54"	W112° 02' 20.25"	5.0	3,715.3		TRIM/REMOVE
136163	HORIZONTAL	TREE	N34° 42' 48.94"	W112° 02' 19.81"	8.1	3,718.4		TRIM/REMOVE
136171	HORIZONTAL	TREE	N34° 42' 49.03"	W112° 02' 20.87"	15.1	3,725.4		TRIM/REMOVE
136179	HORIZONTAL	TREE	N34° 42' 48.29"	W112° 02' 21.47"	22.2	3,732.5		TRIM/REMOVE
136187	HORIZONTAL	TREE	N34° 42' 47.26"	W112° 02' 22.15"	23.8	3,734.1		TRIM/REMOVE
136195	HORIZONTAL	TREE	N34° 42' 46.58"	W112° 02' 21.79"	23.5	3,733.8		TRIM/REMOVE
136203	HORIZONTAL	TREE	N34° 42' 45.39"	W112° 02' 21.98"	28.7	3,739.0		TRIM/REMOVE
136211	HORIZONTAL	TREE	N34° 42' 43.89"	W112° 02' 18.59"	22.9	3,733.2		TRIM/REMOVE
136219	HORIZONTAL	TREE	N34° 42' 44.70"	W112° 02' 17.77"	15.4	3,725.7		TRIM/REMOVE
136227	HORIZONTAL	TREE	N34° 42' 44.19"	W112° 02' 16.44"	15.9	3,726.2		TRIM/REMOVE
136235	HORIZONTAL	TREE	N34° 42' 43.62"	W112° 02' 15.74"	14.4	3,724.7		TRIM/REMOVE
136243	HORIZONTAL	TREE	N34° 42' 44.59"	W112° 02' 15.77"	9.3	3,719.6		TRIM/REMOVE
136251	HORIZONTAL	TREE	N34° 42' 46.37"	W112° 02' 16.40"	18.1	3,728.4		TRIM/REMOVE
136259	HORIZONTAL	TREE	N34° 42' 46.92"	W112° 02' 17.51"	9.7	3,720.0		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
HORIZONTAL SURFACE PENETRATION GROUP *(CONT.)*								
136267	HORIZONTAL	TREE	N34° 42' 46.74"	W112° 02' 18.34"	13.3	3,723.6		TRIM/REMOVE
136275	HORIZONTAL	TREE	N34° 42' 48.29"	W112° 02' 17.84"	9.2	3,719.5		TRIM/REMOVE
136283	HORIZONTAL	TREE	N34° 42' 50.25"	W112° 02' 22.64"	17.3	3,727.6		TRIM/REMOVE
136291	HORIZONTAL	TREE	N34° 42' 51.52"	W112° 02' 21.66"	11.6	3,721.9		TRIM/REMOVE
136299	HORIZONTAL	TREE	N34° 42' 49.74"	W112° 02' 20.98"	11.5	3,721.8		TRIM/REMOVE
136307	HORIZONTAL	TREE	N34° 42' 42.42"	W112° 02' 15.38"	23.4	3,733.7		TRIM/REMOVE
136315	HORIZONTAL	TREE	N34° 42' 39.16"	W112° 02' 15.31"	103.3	3,813.6		TRIM/REMOVE
136355	HORIZONTAL	TREE	N34° 42' 41.24"	W112° 02' 22.56"	46.8	3,757.1		TRIM/REMOVE
136363	HORIZONTAL	TREE	N34° 42' 42.13"	W112° 02' 24.25"	51.4	3,761.7		TRIM/REMOVE
136371	HORIZONTAL	TREE	N34° 42' 41.99"	W112° 02' 21.82"	40.6	3,750.9		TRIM/REMOVE
136379	HORIZONTAL	TREE	N34° 42' 42.32"	W112° 02' 20.21"	32.4	3,742.7		TRIM/REMOVE
136387	HORIZONTAL	TREE	N34° 42' 44.64"	W112° 02' 21.48"	31.0	3,741.3		TRIM/REMOVE
136395	HORIZONTAL	TREE	N34° 42' 45.06"	W112° 02' 23.69"	35.3	3,745.6		TRIM/REMOVE
136403	HORIZONTAL	TREE	N34° 42' 45.77"	W112° 02' 23.85"	33.4	3,743.7		TRIM/REMOVE
136411	HORIZONTAL	TREE	N34° 42' 46.48"	W112° 02' 23.48"	33.4	3,743.7		TRIM/REMOVE
136419	HORIZONTAL	TREE	N34° 42' 46.45"	W112° 02' 24.86"	39.4	3,749.7		TRIM/REMOVE
136427	HORIZONTAL	TREE	N34° 42' 44.83"	W112° 02' 24.79"	41.1	3,751.4		TRIM/REMOVE
136435	HORIZONTAL	TREE	N34° 42' 41.75"	W112° 02' 15.64"	33.3	3,743.6		TRIM/REMOVE
145515	HORIZONTAL	SCRUB	N34° 42' 37.94"	W112° 02' 15.54"	114.6	3,824.9		TRIM/REMOVE
145523	HORIZONTAL	SCRUB	N34° 42' 38.46"	W112° 02' 14.34"	110.5	3,820.8		TRIM/REMOVE
145531	HORIZONTAL	SCRUB	N34° 42' 39.86"	W112° 02' 12.35"	96.9	3,807.2		TRIM/REMOVE
145547	HORIZONTAL	SCRUB	N34° 42' 37.45"	W112° 02' 14.68"	106.6	3,816.9		TRIM/REMOVE
145571	HORIZONTAL	TREE	N34° 42' 40.22"	W112° 02' 19.00"	48.4	3,758.7		TRIM/REMOVE
145579	HORIZONTAL	TREE	N34° 42' 39.37"	W112° 02' 18.48"	61.6	3,771.9		TRIM/REMOVE
145587	HORIZONTAL	TREE	N34° 42' 40.92"	W112° 02' 17.94"	37.3	3,747.6		TRIM/REMOVE
145595	HORIZONTAL	TREE	N34° 42' 41.05"	W112° 02' 19.53"	33.4	3,743.7		TRIM/REMOVE
145603	HORIZONTAL	DAM	N34° 42' 43.17"	W112° 02' 17.42"	20.9	3,731.2	18.1	REMOVE/LOWER/PROVIDE OL
145611	HORIZONTAL	SCRUB	N34° 42' 41.35"	W112° 02' 21.09"	33.3	3,743.6		TRIM/REMOVE
145667	HORIZONTAL	TREE	N34° 42' 43.99"	W112° 02' 27.03"	49.3	3,759.6		TRIM/REMOVE
145675	HORIZONTAL	TREE	N34° 42' 43.93"	W112° 02' 25.71"	47.0	3,757.3		TRIM/REMOVE
145683	HORIZONTAL	TREE	N34° 42' 42.79"	W112° 02' 25.09"	47.7	3,758.0		TRIM/REMOVE
145691	HORIZONTAL	TREE	N34° 42' 43.30"	W112° 02' 22.92"	34.2	3,744.5		TRIM/REMOVE
145699	HORIZONTAL	TREE	N34° 42' 43.52"	W112° 02' 20.92"	28.7	3,739.0		TRIM/REMOVE
145707	HORIZONTAL	TREE	N34° 42' 44.55"	W112° 02' 19.76"	21.4	3,731.7		TRIM/REMOVE
145715	HORIZONTAL	TREE	N34° 42' 45.46"	W112° 02' 18.47"	13.8	3,724.1		TRIM/REMOVE
145723	HORIZONTAL	TREE	N34° 42' 46.96"	W112° 02' 19.34"	11.6	3,721.9		TRIM/REMOVE
145731	HORIZONTAL	TREE	N34° 42' 46.93"	W112° 02' 20.78"	16.5	3,726.8		TRIM/REMOVE
145739	HORIZONTAL	TREE	N34° 42' 46.16"	W112° 02' 20.36"	17.3	3,727.6		TRIM/REMOVE
148227	HORIZONTAL	TREE	N34° 42' 57.25"	W112° 02' 42.24"	60.2	3,770.5		TRIM/REMOVE
148235	HORIZONTAL	TREE	N34° 42' 58.47"	W112° 02' 42.77"	52.2	3,762.5		TRIM/REMOVE
148243	HORIZONTAL	TREE	N34° 42' 59.94"	W112° 02' 41.95"	47.7	3,758.0		TRIM/REMOVE
148251	HORIZONTAL	TREE	N34° 42' 59.93"	W112° 02' 40.77"	45.7	3,756.0		TRIM/REMOVE
148259	HORIZONTAL	TREE	N34° 42' 58.43"	W112° 02' 40.09"	52.0	3,762.3		TRIM/REMOVE
148267	HORIZONTAL	TREE	N34° 42' 58.93"	W112° 02' 39.07"	42.5	3,752.8		TRIM/REMOVE
148275	HORIZONTAL	TREE	N34° 43' 01.98"	W112° 02' 38.48"	30.3	3,740.6		TRIM/REMOVE
148283	HORIZONTAL	TREE	N34° 43' 03.16"	W112° 02' 40.32"	31.6	3,741.9		TRIM/REMOVE
148291	HORIZONTAL	TREE	N34° 43' 02.12"	W112° 02' 42.22"	40.6	3,750.9		TRIM/REMOVE
148299	HORIZONTAL	TREE	N34° 43' 02.02"	W112° 02' 43.48"	41.7	3,752.0		TRIM/REMOVE
148307	HORIZONTAL	TREE	N34° 43' 02.95"	W112° 02' 44.17"	43.0	3,753.3		TRIM/REMOVE
148315	HORIZONTAL	TREE	N34° 43' 03.52"	W112° 02' 45.30"	43.7	3,754.0		TRIM/REMOVE
148323	HORIZONTAL	TREE	N34° 43' 04.67"	W112° 02' 46.28"	47.7	3,758.0		TRIM/REMOVE
148331	HORIZONTAL	TREE	N34° 43' 03.69"	W112° 02' 46.68"	48.3	3,758.6		TRIM/REMOVE
149367	HORIZONTAL	TREE	N34° 42' 40.53"	W112° 02' 14.92"	62.9	3,773.2		TRIM/REMOVE
149599	HORIZONTAL	TREE	N34° 42' 47.39"	W112° 02' 29.42"	49.8	3,760.1		TRIM/REMOVE
149607	HORIZONTAL	TREE	N34° 42' 46.20"	W112° 02' 30.19"	57.3	3,767.6		TRIM/REMOVE
149615	HORIZONTAL	TREE	N34° 42' 44.94"	W112° 02' 30.33"	61.0	3,771.3		TRIM/REMOVE
149623	HORIZONTAL	TREE	N34° 42' 48.86"	W112° 02' 30.28"	45.3	3,755.6		TRIM/REMOVE
149631	HORIZONTAL	TREE	N34° 42' 52.67"	W112° 02' 33.12"	42.0	3,752.3		TRIM/REMOVE
149639	HORIZONTAL	TREE	N34° 42' 53.76"	W112° 02' 35.08"	47.3	3,757.6		TRIM/REMOVE
149647	HORIZONTAL	TREE	N34° 42' 54.02"	W112° 02' 36.91"	53.6	3,763.9		TRIM/REMOVE
149679	HORIZONTAL	TREE	N34° 42' 51.97"	W112° 02' 27.15"	28.2	3,738.5		TRIM/REMOVE
149687	HORIZONTAL	TREE	N34° 42' 52.70"	W112° 02' 28.61"	28.2	3,738.5		TRIM/REMOVE
149695	HORIZONTAL	TREE	N34° 42' 53.43"	W112° 02' 27.17"	22.8	3,733.1		TRIM/REMOVE
149703	HORIZONTAL	TREE	N34° 42' 53.59"	W112° 02' 24.72"	15.7	3,726.0		TRIM/REMOVE
149711	HORIZONTAL	TREE	N34° 42' 54.28"	W112° 02' 23.38"	4.5	3,714.8		TRIM/REMOVE
149719	HORIZONTAL	TREE	N34° 42' 52.46"	W112° 02' 21.73"	4.3	3,714.6		TRIM/REMOVE
149727	HORIZONTAL	TREE	N34° 42' 52.88"	W112° 02' 20.19"	1.1	3,711.4		TRIM/REMOVE
149743	HORIZONTAL	TREE	N34° 42' 55.05"	W112° 02' 21.45"	0.4	3,710.7		TRIM/REMOVE
149751	HORIZONTAL	TREE	N34° 42' 56.16"	W112° 02' 22.43"	0.4	3,710.7		TRIM/REMOVE
149759	HORIZONTAL	TREE	N34° 42' 56.86"	W112° 02' 23.11"	0.5	3,710.8		TRIM/REMOVE
149767	HORIZONTAL	TREE	N34° 42' 57.54"	W112° 02' 23.78"	1.7	3,712.0		TRIM/REMOVE
149783	HORIZONTAL	TREE	N34° 42' 58.78"	W112° 02' 25.28"	2.6	3,712.9		TRIM/REMOVE
149799	HORIZONTAL	TREE	N34° 42' 59.73"	W112° 02' 27.64"	6.4	3,716.7		TRIM/REMOVE
149807	HORIZONTAL	TREE	N34° 43' 00.03"	W112° 02' 29.08"	8.2	3,718.5		TRIM/REMOVE
149815	HORIZONTAL	TREE	N34° 42' 57.60"	W112° 02' 26.42"	8.7	3,719.0		TRIM/REMOVE
149823	HORIZONTAL	TREE	N34° 42' 57.23"	W112° 02' 25.56"	5.2	3,715.5		TRIM/REMOVE
149831	HORIZONTAL	TREE	N34° 42' 55.64"	W112° 02' 23.87"	4.6	3,714.9		TRIM/REMOVE
149839	HORIZONTAL	TREE	N34° 42' 51.97"	W112° 02' 22.66"	10.9	3,721.2		TRIM/REMOVE
149847	HORIZONTAL	TREE	N34° 42' 51.57"	W112° 02' 24.44"	18.2	3,728.5		TRIM/REMOVE

NOTES

1. SURVEY PERFORMED JULY 2020.
2. PART 77 SURFACES BASED ON 14 CFR PART 77.
3. PART 77 APPROACH SURFACES SHOWN ON SHEET 34 - INNER PORTION OF THE APPROACH SURFACE DRAWING; PART 77 APPROACH SURFACE OBSTRUCTIONS LISTED ON SHEETS 35-36.
4. TRAVERSEWAY ELEVATIONS INCLUDE THE FOLLOWING ADJUSTMENTS: PRIVATE ROADS: 10', PUBLIC ROADS: 15'. NO INTERSTATE HIGHWAYS OR RAILROADS ARE LOCATED IN THE IMMEDIATE VICINITY OF THE AIRPORT.
5. SURVEY IDENTIFIED A TOTAL OF 6,298 OBSTRUCTIONS TO PART 77 SURFACES, NOT INCLUDING PART 77 APPROACH SURFACES. OBSTRUCTIONS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT TOP 2% OF PENETRATIONS TO EACH PART 77 SURFACE.
6. OBSTRUCTION GROUPS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT APPROXIMATE LOCATION OF ALL OBSTRUCTIONS. COMPREHENSIVE LISTS OF OBSTRUCTIONS TO EACH PART 77 SURFACE, NOT INCLUDING PART 77 APPROACH SURFACES, ARE INCLUDED ON SHEETS 7-33.
7. OBSTRUCTION DESCRIPTIONS ARE GROUPED IN THE SUMMARY TABLE ON SHEET 6 - AIRPORT AIRSPACE DRAWING PER THE FOLLOWING: VEGETATION = BUSH, SCRUB, TREE; GROUND = GROUND; BUILDINGS/HANGARS = BUILDING, HANGAR; POLES/TOWERS = ANTENNA, BEACON, POLE, POLE_LIGHT, POLE_UTIL, POST, TRANSMISSION_PYLON, VERTICAL_POINT; NAVAIDS = PAPI, PAPI_CONTROL_BOX, REIL, SIGN, WINDSOCK; GROUND TRANSPORTATION = PARKING_LOT, ROAD - PRIVATE, ROAD - PUBLIC, STREET SIGN; UTILITY INFRASTRUCTURE = A/G PIPE, DAM, ELEC_BOX, MISC_UTIL, SOLAR_PANELS, TANK, TRANSFORMER; FENCE = FENCE, GATE; OTHER = CANOPY, DIRT_PILE, WALL
8. ALL HEIGHTS SHOWN IN FEET.
9. OBSTRUCTION HEIGHT ABOVE GROUND LEVEL PROVIDED WHERE AVAILABLE.
10. DEFINITIONS: PEN = PENETRATION; MSL = MEAN SEA LEVEL; AGL = ABOVE GROUND LEVEL; OL = OBSTRUCTION LIGHTING; DNH = DETERMINATION OF NO HAZARD

NO.	DATE	REVISIONS	BY	APPR.
5				
4				
3				
2				
1				

Kimley»Horn

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FAA DISCLAMER

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COTTONWOOD MUNICIPAL AIRPORT
COTTONWOOD, AZ

AIRPORT AIRSPACE DRAWING - PART 77 SURFACE PENETRATION TABLES (16 OF 27)

JOB NO. 291447000	DRAWN KH	CHECKED CBW	SHEET 22 OF 40
DATE: DECEMBER 2022	DESIGNED JTC	APPROVED CBW	

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
HORIZONTAL SURFACE PENETRATION GROUP *(CONT.)*								
149855	HORIZONTAL	TREE	N34° 42' 52.20"	W112° 02' 20.98"	2.7	3,713.0		TRIM/REMOVE
149863	HORIZONTAL	TREE	N34° 42' 49.62"	W112° 02' 20.19"	9.2	3,719.5		TRIM/REMOVE
149871	HORIZONTAL	TREE	N34° 42' 48.08"	W112° 02' 19.35"	9.3	3,719.6		TRIM/REMOVE
149879	HORIZONTAL	TREE	N34° 42' 44.16"	W112° 02' 23.45"	34.8	3,745.1		TRIM/REMOVE
149887	HORIZONTAL	TREE	N34° 42' 46.22"	W112° 02' 26.72"	45.6	3,755.9		TRIM/REMOVE
149895	HORIZONTAL	TREE	N34° 42' 48.97"	W112° 02' 26.71"	35.3	3,745.6		TRIM/REMOVE
149903	HORIZONTAL	TREE	N34° 42' 49.72"	W112° 02' 27.22"	34.3	3,744.6		TRIM/REMOVE
149911	HORIZONTAL	TREE	N34° 42' 56.30"	W112° 02' 28.02"	19.8	3,730.1		TRIM/REMOVE
149927	HORIZONTAL	TREE	N34° 42' 57.92"	W112° 02' 24.80"	2.1	3,712.4		TRIM/REMOVE
149935	HORIZONTAL	TREE	N34° 42' 57.23"	W112° 02' 24.59"	3.1	3,713.4		TRIM/REMOVE
149943	HORIZONTAL	TREE	N34° 42' 54.62"	W112° 02' 25.53"	9.3	3,719.6		TRIM/REMOVE
149951	HORIZONTAL	TREE	N34° 42' 43.65"	W112° 02' 28.37"	56.9	3,767.2		TRIM/REMOVE
149959	HORIZONTAL	TREE	N34° 42' 44.74"	W112° 02' 28.99"	59.3	3,769.6		TRIM/REMOVE
149967	HORIZONTAL	TREE	N34° 42' 45.81"	W112° 02' 25.16"	41.3	3,751.6		TRIM/REMOVE
149975	HORIZONTAL	TREE	N34° 42' 48.51"	W112° 02' 25.69"	31.6	3,741.9		TRIM/REMOVE
149983	HORIZONTAL	TREE	N34° 42' 53.20"	W112° 02' 31.90"	36.8	3,747.1		TRIM/REMOVE
149991	HORIZONTAL	TREE	N34° 42' 55.75"	W112° 02' 35.05"	38.7	3,749.0		TRIM/REMOVE
149999	HORIZONTAL	TREE	N34° 42' 55.25"	W112° 02' 36.74"	44.4	3,754.7		TRIM/REMOVE
150007	HORIZONTAL	TREE	N34° 42' 56.91"	W112° 02' 36.81"	39.7	3,750.0		TRIM/REMOVE
150015	HORIZONTAL	TREE	N34° 42' 51.67"	W112° 02' 38.00"	60.5	3,770.8		TRIM/REMOVE
150039	HORIZONTAL	TREE	N34° 42' 49.47"	W112° 02' 35.44"	61.4	3,771.7		TRIM/REMOVE
150047	HORIZONTAL	TREE	N34° 42' 51.02"	W112° 02' 28.42"	34.8	3,745.1		TRIM/REMOVE
150055	HORIZONTAL	TREE	N34° 42' 55.09"	W112° 02' 23.28"	2.0	3,712.3		TRIM/REMOVE
150063	HORIZONTAL	TREE	N34° 42' 54.16"	W112° 02' 22.36"	2.1	3,712.4		TRIM/REMOVE
150071	HORIZONTAL	TREE	N34° 42' 53.28"	W112° 02' 21.50"	1.6	3,711.9		TRIM/REMOVE
150087	HORIZONTAL	TREE	N34° 42' 49.27"	W112° 02' 18.97"	3.6	3,713.9		TRIM/REMOVE
150095	HORIZONTAL	TREE	N34° 42' 50.82"	W112° 02' 20.22"	4.3	3,714.6		TRIM/REMOVE
150103	HORIZONTAL	TREE	N34° 42' 53.16"	W112° 02' 26.15"	18.7	3,729.0		TRIM/REMOVE
150111	HORIZONTAL	TREE	N34° 42' 54.46"	W112° 02' 27.13"	16.5	3,726.8		TRIM/REMOVE
150119	HORIZONTAL	TREE	N34° 42' 55.75"	W112° 02' 30.57"	25.8	3,736.1		TRIM/REMOVE
150127	HORIZONTAL	TREE	N34° 42' 56.94"	W112° 02' 29.54"	19.3	3,729.6		TRIM/REMOVE
150135	HORIZONTAL	TREE	N34° 42' 58.16"	W112° 02' 28.16"	9.7	3,720.0		TRIM/REMOVE
150143	HORIZONTAL	TREE	N34° 42' 58.37"	W112° 02' 27.39"	7.3	3,717.6		TRIM/REMOVE
150151	HORIZONTAL	TREE	N34° 43' 00.61"	W112° 02' 30.57"	11.6	3,721.9		TRIM/REMOVE
150159	HORIZONTAL	TREE	N34° 43' 01.02"	W112° 02' 31.67"	12.1	3,722.4		TRIM/REMOVE
150167	HORIZONTAL	TREE	N34° 43' 02.76"	W112° 02' 30.90"	0.4	3,710.7		TRIM/REMOVE
150175	HORIZONTAL	TREE	N34° 43' 03.81"	W112° 02' 31.22"	1.7	3,712.0		TRIM/REMOVE
150215	HORIZONTAL	TREE	N34° 43' 01.30"	W112° 02' 28.19"	1.9	3,712.2		TRIM/REMOVE
150223	HORIZONTAL	TREE	N34° 43' 00.74"	W112° 02' 29.00"	4.2	3,714.5		TRIM/REMOVE
150271	HORIZONTAL	TREE	N34° 42' 59.03"	W112° 02' 26.97"	5.3	3,715.6		TRIM/REMOVE
150279	HORIZONTAL	TREE	N34° 42' 56.98"	W112° 02' 26.69"	12.9	3,723.2		TRIM/REMOVE
150287	HORIZONTAL	TREE	N34° 42' 55.46"	W112° 02' 25.56"	7.7	3,718.0		TRIM/REMOVE
150295	HORIZONTAL	TREE	N34° 42' 54.56"	W112° 02' 29.59"	30.1	3,740.4		TRIM/REMOVE
150303	HORIZONTAL	TREE	N34° 42' 54.43"	W112° 02' 28.44"	22.4	3,732.7		TRIM/REMOVE
150311	HORIZONTAL	TREE	N34° 42' 56.07"	W112° 02' 31.92"	29.5	3,739.8		TRIM/REMOVE
150319	HORIZONTAL	TREE	N34° 42' 57.23"	W112° 02' 31.90"	27.0	3,737.3		TRIM/REMOVE
150327	HORIZONTAL	TREE	N34° 42' 59.46"	W112° 02' 34.69"	25.4	3,735.7		TRIM/REMOVE
150335	HORIZONTAL	TREE	N34° 43' 01.99"	W112° 02' 34.16"	16.2	3,726.5		TRIM/REMOVE
150343	HORIZONTAL	TREE	N34° 43' 01.06"	W112° 02' 35.00"	20.4	3,730.7		TRIM/REMOVE
150351	HORIZONTAL	TREE	N34° 43' 03.42"	W112° 02' 38.48"	21.7	3,732.0		TRIM/REMOVE
150359	HORIZONTAL	TREE	N34° 43' 04.09"	W112° 02' 39.50"	21.1	3,731.4		TRIM/REMOVE
150367	HORIZONTAL	TREE	N34° 43' 05.09"	W112° 02' 39.89"	18.2	3,728.5		TRIM/REMOVE
150375	HORIZONTAL	TREE	N34° 43' 06.04"	W112° 02' 36.70"	15.2	3,725.5		TRIM/REMOVE
150383	HORIZONTAL	TREE	N34° 43' 06.92"	W112° 02' 36.80"	14.9	3,725.2		TRIM/REMOVE
150399	HORIZONTAL	TREE	N34° 43' 07.54"	W112° 02' 35.02"	0.1	3,710.4		TRIM/REMOVE
150415	HORIZONTAL	TREE	N34° 43' 06.32"	W112° 02' 34.22"	0.9	3,711.2		TRIM/REMOVE
150423	HORIZONTAL	TREE	N34° 43' 05.47"	W112° 02' 35.90"	7.4	3,717.7		TRIM/REMOVE
150439	HORIZONTAL	TREE	N34° 43' 04.23"	W112° 02' 36.20"	18.9	3,729.2		TRIM/REMOVE
150447	HORIZONTAL	TREE	N34° 43' 04.10"	W112° 02' 37.26"	17.5	3,727.8		TRIM/REMOVE
150455	HORIZONTAL	TREE	N34° 43' 05.30"	W112° 02' 37.45"	16.7	3,727.0		TRIM/REMOVE
150463	HORIZONTAL	TREE	N34° 43' 06.93"	W112° 02' 35.77"	1.7	3,712.0		TRIM/REMOVE
150471	HORIZONTAL	TREE	N34° 43' 06.06"	W112° 02' 35.01"	0.5	3,710.8		TRIM/REMOVE
150479	HORIZONTAL	TREE	N34° 43' 05.32"	W112° 02' 33.28"	0.5	3,710.8		TRIM/REMOVE
150503	HORIZONTAL	TREE	N34° 43' 04.25"	W112° 02' 34.14"	3.5	3,713.8		TRIM/REMOVE
150511	HORIZONTAL	TREE	N34° 43' 02.89"	W112° 02' 34.09"	14.9	3,725.2		TRIM/REMOVE
150519	HORIZONTAL	TREE	N34° 43' 02.68"	W112° 02' 32.60"	9.0	3,719.3		TRIM/REMOVE
150527	HORIZONTAL	TREE	N34° 43' 02.35"	W112° 02' 31.62"	5.8	3,716.1		TRIM/REMOVE
150535	HORIZONTAL	TREE	N34° 43' 00.56"	W112° 02' 34.10"	22.0	3,732.3		TRIM/REMOVE
150543	HORIZONTAL	TREE	N34° 43' 00.50"	W112° 02' 32.79"	24.0	3,734.3		TRIM/REMOVE
150551	HORIZONTAL	TREE	N34° 42' 57.19"	W112° 02' 34.99"	35.8	3,746.1		TRIM/REMOVE
150559	HORIZONTAL	TREE	N34° 42' 56.72"	W112° 02' 33.64"	32.6	3,742.9		TRIM/REMOVE
150591	HORIZONTAL	TREE	N34° 43' 10.72"	W112° 02' 34.13"	1.1	3,711.4		TRIM/REMOVE
150599	HORIZONTAL	TREE	N34° 43' 11.00"	W112° 02' 35.56"	26.0	3,736.3		TRIM/REMOVE
150607	HORIZONTAL	TREE	N34° 43' 10.58"	W112° 02' 37.20"	23.0	3,733.3		TRIM/REMOVE
150615	HORIZONTAL	TREE	N34° 43' 12.57"	W112° 02' 37.94"	85.3	3,795.6		TRIM/REMOVE
150623	HORIZONTAL	TREE	N34° 43' 10.05"	W112° 02' 39.38"	20.3	3,730.6		TRIM/REMOVE
150631	HORIZONTAL	TREE	N34° 43' 09.45"	W112° 02' 36.65"	2.9	3,713.2		TRIM/REMOVE
150639	HORIZONTAL	TREE	N34° 43' 08.67"	W112° 02' 40.42"	13.4	3,723.7		TRIM/REMOVE
150647	HORIZONTAL	TREE	N34° 43' 08.43"	W112° 02' 41.49"	19.1	3,729.4		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
HORIZONTAL SURFACE PENETRATION GROUP *(CONT.)*								
149855	HORIZONTAL	TREE	N34° 42' 52.20"	W112° 02' 20.98"	2.7	3,713.0		TRIM/REMOVE
149863	HORIZONTAL	TREE	N34° 42' 49.62"	W112° 02' 20.19"	9.2	3,719.5		TRIM/REMOVE
149871	HORIZONTAL	TREE	N34° 42' 48.08"	W112° 02' 19.35"	9.3	3,719.6		TRIM/REMOVE
149879	HORIZONTAL	TREE	N34° 42' 44.16"	W112° 02' 23.45"	34.8	3,745.1		TRIM/REMOVE
149887	HORIZONTAL	TREE	N34° 42' 46.22"	W112° 02' 26.72"	45.6	3,755.9		TRIM/REMOVE
149895	HORIZONTAL	TREE	N34° 42' 48.97"	W112° 02' 26.71"	35.3	3,745.6		TRIM/REMOVE
149903	HORIZONTAL	TREE	N34° 42' 49.72"	W112° 02' 27.22"	34.3	3,744.6		TRIM/REMOVE
149911	HORIZONTAL	TREE	N34° 42' 56.30"	W112° 02' 28.02"	19.8	3,730.1		TRIM/REMOVE
149927	HORIZONTAL	TREE	N34° 42' 57.92"	W112° 02' 24.80"	2.1	3,712.4		TRIM/REMOVE
149935	HORIZONTAL	TREE	N34° 42' 57.23"	W112° 02' 24.59"	3.1	3,713.4		TRIM/REMOVE
149943	HORIZONTAL	TREE	N34° 42' 54.62"	W112° 02' 25.53"	9.3	3,719.6		TRIM/REMOVE
149951	HORIZONTAL	TREE	N34° 42' 43.65"	W112° 02' 28.37"	56.9	3,767.2		TRIM/REMOVE
149959	HORIZONTAL	TREE	N34° 42' 44.74"	W112° 02' 28.99"	59.3	3,769.6		TRIM/REMOVE
149967	HORIZONTAL	TREE	N34° 42' 45.81"	W112° 02' 25.16"	41.3	3,751.6		TRIM/REMOVE
149975	HORIZONTAL	TREE	N34° 42' 48.51"	W112° 02' 25.69"	31.6	3,741.9		TRIM/REMOVE
149983	HORIZONTAL	TREE	N34° 42' 53.20"	W112° 02' 31.90"	36.8	3,747.1		TRIM/REMOVE
149991	HORIZONTAL	TREE	N34° 42' 55.75"	W112° 02' 35.05"	38.7	3,749.0		TRIM/REMOVE
149999	HORIZONTAL	TREE	N34° 42' 55.25"	W112° 02' 36.74"	44.4	3,754.7		TRIM/REMOVE
150007	HORIZONTAL	TREE	N34° 42' 56.91"	W112° 02' 36.81"	39.7	3,750.0		TRIM/REMOVE
150015	HORIZONTAL	TREE	N34° 42' 51.67"	W112° 02' 38.00"	60.5	3,770.8		TRIM/REMOVE
150039	HORIZONTAL	TREE	N34° 42' 49.47"	W112° 02' 35.44"	61.4	3,771.7		TRIM/REMOVE
150047	HORIZONTAL	TREE	N34° 42' 51.02"	W112° 02' 28.42"	34.8	3,745.1		TRIM/REMOVE
150055	HORIZONTAL	TREE	N34° 42' 55.09"	W112° 02' 23.28"	2.0	3,712.3		TRIM/REMOVE
150063	HORIZONTAL	TREE	N34° 42' 54.16"	W112° 02' 22.36"	2.1	3,712.4		TRIM/REMOVE
150071	HORIZONTAL	TREE	N34° 42' 53.28"	W112° 02' 21.50"	1.6	3,711.9		TRIM/REMOVE
150087	HORIZONTAL	TREE	N34° 42' 49.27"	W112° 02' 18.97"	3.6	3,713.9		TRIM/REMOVE
150095	HORIZONTAL	TREE	N34° 42' 50.82"	W112° 02' 20.22"	4.3	3,714.6		TRIM/REMOVE
150103	HORIZONTAL	TREE	N34° 42' 53.16"	W112° 02' 26.15"	18.7	3,729.0		TRIM/REMOVE
150111	HORIZONTAL	TREE	N34° 42' 54.46"	W112° 02' 27.13"	16.5	3,726.8		TRIM/REMOVE
150119	HORIZONTAL	TREE	N34° 42' 55.75"	W112° 02' 30.57"	25.8	3,736.1		TRIM/REMOVE
150127	HORIZONTAL	TREE	N34° 42' 56.94"	W112° 02' 29.54"	19.3	3,729.6		TRIM/REMOVE
150135	HORIZONTAL	TREE	N34° 42' 58.16"	W112° 02' 28.16"	9.7	3,720.0		TRIM/REMOVE
150143	HORIZONTAL	TREE	N34° 42' 58.37"	W112° 02' 27.39"	7.3	3,717.6		TRIM/REMOVE
150151	HORIZONTAL	TREE	N34° 43' 00.61"	W112° 02' 30.57"	11.6	3,721.9		TRIM/REMOVE
150159	HORIZONTAL	TREE	N34° 43' 01.02"	W112° 02' 31.67"	12.1	3,722.4		TRIM/REMOVE
150167	HORIZONTAL	TREE	N34° 43' 02.76"	W112° 02' 30.90"	0.4	3,710.7		TRIM/REMOVE
150175	HORIZONTAL	TREE	N34° 43' 03.81"	W112° 02' 31.22"	1.7	3,712.0		TRIM/REMOVE
150215	HORIZONTAL	TREE	N34° 43' 01.30"	W112° 02' 28.19"	1.9	3,712.2		TRIM/REMOVE
150223	HORIZONTAL	TREE	N34° 43' 00.74"	W112° 02' 29.00"	4.2	3,714.5		TRIM/REMOVE
150271	HORIZONTAL	TREE	N34° 42' 59.03"	W112° 02' 26.97"	5.3	3,715.6		TRIM/REMOVE
150279	HORIZONTAL	TREE	N34° 42' 56.98"	W112° 02' 26.69"	12.9	3,723.2		TRIM/REMOVE
150287	HORIZONTAL	TREE	N34° 42' 55.46"	W112° 02' 25.56"	7.7	3,718.0		TRIM/REMOVE
150295	HORIZONTAL	TREE	N34° 42' 54.56"	W112° 02' 29.59"	30.1	3,740.4		TRIM/REMOVE
150303	HORIZONTAL	TREE	N34° 42' 54.43"	W112° 02' 28.44"	22.4	3,732.7		TRIM/REMOVE
150311	HORIZONTAL	TREE	N34° 42' 56.07"	W112° 02' 31.92"	29.5	3,739.8		TRIM/REMOVE
150319	HORIZONTAL	TREE	N34° 42' 57.23"	W112° 02' 31.90"	27.0	3,737.3		TRIM/REMOVE
150327	HORIZONTAL	TREE	N34° 42' 59.46"	W112° 02' 34.69"	25.4	3,735.7		TRIM/REMOVE
150335	HORIZONTAL	TREE	N34° 43' 01.99"	W112° 02' 34.16"	16.2	3,726.5		TRIM/REMOVE
150343	HORIZONTAL	TREE	N34° 43' 01.06"	W112° 02' 35.00"	20.4	3,730.7		TRIM/REMOVE
150351	HORIZONTAL	TREE	N34° 43' 03.42"	W112° 02' 38.48"	21.7	3,732.0		TRIM/REMOVE
150359	HORIZONTAL	TREE	N34° 43' 04.09"	W112° 02' 39.50"	21.1	3,731.4		TRIM/REMOVE
150367	HORIZONTAL	TREE	N34° 43' 05.09"	W112° 02' 39.89"	18.2	3,728.5		TRIM/REMOVE
150375	HORIZONTAL	TREE	N34° 43' 06.04"	W112° 02' 36.70"	15.2	3,725.5		TRIM/REMOVE
150383	HORIZONTAL	TREE	N34° 43' 06.92"	W112° 02' 36.80"	14.9	3,725.2		TRIM/REMOVE
150399	HORIZONTAL	TREE	N34° 43' 07.54"	W112° 02' 35.02"	0.1	3,710.4		TRIM/REMOVE
150415	HORIZONTAL	TREE	N34° 43' 06.32"	W112° 02' 34.22"	0.9	3,711.2		TRIM/REMOVE
150423	HORIZONTAL	TREE	N34° 43' 05.47"	W112° 02' 35.90"	7.4	3,717.7		TRIM/REMOVE
150439	HORIZONTAL	TREE	N34° 43' 04.23"	W112° 02' 36.20"	18.9	3,729.2		TRIM/REMOVE
150447	HORIZONTAL	TREE	N34° 43' 04.10"	W112° 02' 37.26"	17.5	3,727.8		TRIM/REMOVE
150455	HORIZONTAL	TREE	N34° 43' 05.30"	W112° 02' 37.45"	16.7	3,727.0		TRIM/REMOVE
150463	HORIZONTAL	TREE	N34° 43' 06.93"	W112° 02' 35.77"	1.7	3,712.0		TRIM/REMOVE
150471	HORIZONTAL	TREE	N34° 43' 06.06"	W112° 02' 35.01"	0.5	3,710.8		TRIM/REMOVE
150479	HORIZONTAL	TREE	N34° 43' 05.32"	W112° 02' 33.28"	0.5	3,710.8		TRIM/REMOVE
150503	HORIZONTAL	TREE	N34° 43' 04.25"	W112° 02' 34.14"	3.5	3,713.8		TRIM/REMOVE
150511	HORIZONTAL	TREE	N34° 43' 02.89"	W112° 02' 34.09"	14.9	3,725.2		TRIM/REMOVE
150519	HORIZONTAL	TREE	N34° 43' 02.68"	W112° 02' 32.60"	9.0	3,719.3		TRIM/REMOVE
150527	HORIZONTAL	TREE	N34° 43' 02.35"	W112° 02' 31.62"	5.8	3,716.1		TRIM/REMOVE
150535	HORIZONTAL	TREE	N34° 43' 00.56"	W112° 02' 34.10"	22.0	3,732.3		TRIM/REMOVE
150543	HORIZONTAL	TREE	N34° 43' 00.50"	W112° 02' 32.79"	24.0	3,734.3		TRIM/REMOVE
150551	HORIZONTAL	TREE	N34° 42' 57.19"	W112° 02' 34.99"	35.8	3,746.1		TRIM/REMOVE
150559	HORIZONTAL	TREE	N34° 42' 56.72"	W112° 02' 33.64"	32.6	3,742.9		TRIM/REMOVE
150591	HORIZONTAL	TREE	N34° 43' 10.72"	W112° 02' 34.13"	1.1	3,711.4		TRIM/REMOVE
150599	HORIZONTAL	TREE	N34° 43' 11.00"	W112° 02' 35.56"	26.0	3,736.3		TRIM/REMOVE
150607	HORIZONTAL	TREE	N34° 43' 10.58"	W112° 02' 37.20"	23.0	3,733.3		TRIM/REMOVE
150615	HORIZONTAL	TREE	N34° 43' 12.57"	W112° 02' 37.94"	85.3	3,795.6		TRIM/REMOVE
150623	HORIZONTAL	TREE	N34° 43' 10.05"	W112° 02' 39.38"	20.3	3,730.6		TRIM/REMOVE
150631	HORIZONTAL	TREE	N34° 43' 09.45"	W112° 02' 36.65"	2.9	3,713.2		TRIM/REMOVE
150639	HORIZONTAL	TREE	N34° 43' 08.67"	W112° 02' 40.42"	13.4	3,723.7		TRIM/REMOVE
150647	HORIZONTAL	TREE	N34° 43' 08.43"	W112° 02' 41.49"	19.1	3,729.4		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
HORIZONTAL SURFACE PENETRATION GROUP *(CONT.)*								
152235	HORIZONTAL	TREE	N34° 43' 22.05"	W112° 02' 48.42"	13.4	3,723.7		TRIM/REMOVE
152243	HORIZONTAL	TREE	N34° 43' 22.25"	W112° 02' 49.60"	15.2	3,725.5		TRIM/REMOVE
152251	HORIZONTAL	TREE	N34° 43' 21.25"	W112° 02' 50.82"	22.0	3,732.3		TRIM/REMOVE
152259	HORIZONTAL	TREE	N34° 43' 19.92"	W112° 02' 50.42"	28.0	3,738.3		TRIM/REMOVE
152267	HORIZONTAL	TREE	N34° 43' 19.54"	W112° 02' 48.02"	22.7	3,733.0		TRIM/REMOVE
152275	HORIZONTAL	TREE	N34° 43' 18.25"	W112° 02' 47.75"	27.0	3,737.3		TRIM/REMOVE
152307	HORIZONTAL	TREE	N34° 43' 22.00"	W112° 02' 45.77"	6.4	3,716.7		TRIM/REMOVE
152323	HORIZONTAL	TREE	N34° 43' 18.48"	W112° 02' 44.32"	16.1	3,726.4		TRIM/REMOVE
152331	HORIZONTAL	TREE	N34° 43' 17.90"	W112° 02' 43.34"	16.8	3,727.1		TRIM/REMOVE
152339	HORIZONTAL	TREE	N34° 43' 17.65"	W112° 02' 41.54"	15.4	3,725.7		TRIM/REMOVE
152347	HORIZONTAL	TREE	N34° 43' 18.86"	W112° 02' 42.17"	7.2	3,717.5		TRIM/REMOVE
152355	HORIZONTAL	TREE	N34° 43' 18.23"	W112° 02' 40.01"	8.9	3,719.2		TRIM/REMOVE
152363	HORIZONTAL	TREE	N34° 43' 17.09"	W112° 02' 40.57"	30.2	3,740.5		TRIM/REMOVE
152371	HORIZONTAL	TREE	N34° 43' 15.80"	W112° 02' 40.29"	65.2	3,775.5		TRIM/REMOVE
152379	HORIZONTAL	TREE	N34° 43' 15.82"	W112° 02' 41.43"	50.6	3,760.9		TRIM/REMOVE
152387	HORIZONTAL	TREE	N34° 43' 16.85"	W112° 02' 42.77"	28.1	3,738.4		TRIM/REMOVE
152395	HORIZONTAL	TREE	N34° 43' 16.71"	W112° 02' 44.25"	32.2	3,742.5		TRIM/REMOVE
152403	HORIZONTAL	TREE	N34° 43' 15.62"	W112° 02' 46.77"	45.1	3,755.4		TRIM/REMOVE
152411	HORIZONTAL	TREE	N34° 43' 15.24"	W112° 02' 45.18"	56.4	3,766.7		TRIM/REMOVE
152419	HORIZONTAL	TREE	N34° 43' 17.39"	W112° 02' 45.88"	24.5	3,734.8		TRIM/REMOVE
152427	HORIZONTAL	TREE	N34° 43' 18.28"	W112° 02' 46.55"	22.9	3,733.2		TRIM/REMOVE
152435	HORIZONTAL	TREE	N34° 43' 18.74"	W112° 02' 45.26"	11.3	3,721.6		TRIM/REMOVE
152443	HORIZONTAL	TREE	N34° 43' 19.45"	W112° 02' 44.24"	3.5	3,713.8		TRIM/REMOVE
152451	HORIZONTAL	TREE	N34° 43' 20.62"	W112° 02' 45.74"	6.4	3,716.7		TRIM/REMOVE
152459	HORIZONTAL	TREE	N34° 43' 20.03"	W112° 02' 46.43"	9.2	3,719.5		TRIM/REMOVE
152467	HORIZONTAL	TREE	N34° 43' 19.80"	W112° 02' 45.40"	1.0	3,711.3		TRIM/REMOVE
152475	HORIZONTAL	TREE	N34° 43' 21.15"	W112° 02' 46.46"	11.6	3,721.9		TRIM/REMOVE
152483	HORIZONTAL	TREE	N34° 43' 21.33"	W112° 02' 48.23"	16.6	3,726.9		TRIM/REMOVE
152491	HORIZONTAL	TREE	N34° 43' 20.43"	W112° 02' 51.66"	30.1	3,740.4		TRIM/REMOVE
152499	HORIZONTAL	TREE	N34° 43' 22.79"	W112° 02' 46.88"	6.1	3,716.4		TRIM/REMOVE
152515	HORIZONTAL	SCRUB	N34° 43' 12.78"	W112° 02' 36.29"	80.3	3,790.6		TRIM/REMOVE
152523	HORIZONTAL	SCRUB	N34° 43' 13.35"	W112° 02' 37.04"	103.6	3,813.9		TRIM/REMOVE
152531	HORIZONTAL	SCRUB	N34° 43' 13.27"	W112° 02' 39.98"	96.2	3,806.5		TRIM/REMOVE
152539	HORIZONTAL	TREE	N34° 43' 12.97"	W112° 02' 43.08"	86.6	3,796.9		TRIM/REMOVE
152547	HORIZONTAL	TREE	N34° 43' 13.20"	W112° 02' 47.29"	71.4	3,781.7		TRIM/REMOVE
152555	HORIZONTAL	TREE	N34° 43' 13.14"	W112° 02' 48.45"	80.8	3,791.1		TRIM/REMOVE
152563	HORIZONTAL	TREE	N34° 43' 13.05"	W112° 02' 49.86"	97.7	3,808.0		TRIM/REMOVE
152571	HORIZONTAL	TREE	N34° 43' 12.23"	W112° 02' 48.77"	86.0	3,796.3		TRIM/REMOVE
152579	HORIZONTAL	TREE	N34° 43' 13.01"	W112° 02' 52.33"	105.8	3,816.1		TRIM/REMOVE
152595	HORIZONTAL	TREE	N34° 43' 10.36"	W112° 02' 50.46"	88.5	3,798.8		TRIM/REMOVE
152603	HORIZONTAL	TREE	N34° 43' 11.88"	W112° 02' 51.89"	96.3	3,806.6		TRIM/REMOVE
152611	HORIZONTAL	TREE	N34° 43' 11.88"	W112° 02' 50.60"	88.6	3,798.9		TRIM/REMOVE
152619	HORIZONTAL	TREE	N34° 43' 14.64"	W112° 02' 50.33"	75.6	3,785.9		TRIM/REMOVE
152627	HORIZONTAL	TREE	N34° 43' 14.62"	W112° 02' 52.33"	91.5	3,801.8		TRIM/REMOVE
152635	HORIZONTAL	TREE	N34° 43' 15.67"	W112° 02' 53.40"	84.2	3,794.5		TRIM/REMOVE
152659	HORIZONTAL	TREE	N34° 43' 16.72"	W112° 02' 51.45"	64.1	3,774.4		TRIM/REMOVE
152667	HORIZONTAL	TREE	N34° 43' 16.65"	W112° 02' 53.05"	63.3	3,773.6		TRIM/REMOVE
152675	HORIZONTAL	TREE	N34° 43' 17.63"	W112° 02' 53.37"	52.0	3,762.3		TRIM/REMOVE
152683	HORIZONTAL	TREE	N34° 43' 18.98"	W112° 02' 53.76"	44.3	3,754.6		TRIM/REMOVE
152691	HORIZONTAL	TREE	N34° 43' 19.22"	W112° 02' 52.31"	37.4	3,747.7		TRIM/REMOVE
152699	HORIZONTAL	TREE	N34° 43' 17.27"	W112° 02' 49.59"	40.4	3,750.7		TRIM/REMOVE
152707	HORIZONTAL	TREE	N34° 43' 18.63"	W112° 02' 50.81"	35.7	3,746.0		TRIM/REMOVE
152715	HORIZONTAL	TREE	N34° 43' 16.43"	W112° 02' 48.53"	33.8	3,744.1		TRIM/REMOVE
152723	HORIZONTAL	TREE	N34° 43' 18.45"	W112° 02' 49.01"	32.8	3,743.1		TRIM/REMOVE
152731	HORIZONTAL	TREE	N34° 43' 20.81"	W112° 02' 50.12"	20.3	3,730.6		TRIM/REMOVE
152747	HORIZONTAL	TREE	N34° 43' 22.87"	W112° 02' 44.74"	0.8	3,711.1		TRIM/REMOVE
152755	HORIZONTAL	TREE	N34° 43' 24.66"	W112° 02' 49.18"	4.6	3,714.9		TRIM/REMOVE
152763	HORIZONTAL	TREE	N34° 43' 24.80"	W112° 02' 50.41"	14.9	3,725.2		TRIM/REMOVE
152771	HORIZONTAL	TREE	N34° 43' 26.09"	W112° 02' 50.73"	19.9	3,730.2		TRIM/REMOVE
152779	HORIZONTAL	TREE	N34° 43' 26.30"	W112° 02' 54.05"	20.4	3,730.7		TRIM/REMOVE
152787	HORIZONTAL	TREE	N34° 43' 25.38"	W112° 02' 53.72"	25.6	3,735.9		TRIM/REMOVE
152795	HORIZONTAL	TREE	N34° 43' 27.54"	W112° 02' 54.55"	11.5	3,721.8		TRIM/REMOVE
152803	HORIZONTAL	TREE	N34° 43' 27.30"	W112° 02' 52.99"	7.2	3,717.5		TRIM/REMOVE
152843	HORIZONTAL	GROUND	N34° 43' 33.42"	W112° 02' 52.37"	4.3	3,714.6		PROVIDE OL
152867	HORIZONTAL	DIRT_PILE	N34° 43' 32.44"	W112° 02' 50.87"	1.3	3,711.6	7.8	REMOVE/LOWER/PROVIDE OL
152883	HORIZONTAL	TREE	N34° 43' 31.83"	W112° 02' 56.43"	2.4	3,712.7		TRIM/REMOVE
152915	HORIZONTAL	TREE	N34° 43' 33.48"	W112° 03' 01.76"	0.4	3,710.7		TRIM/REMOVE
152931	HORIZONTAL	TREE	N34° 43' 35.56"	W112° 03' 01.04"	2.1	3,712.4		TRIM/REMOVE
152947	HORIZONTAL	TREE	N34° 43' 37.31"	W112° 03' 02.80"	25.8	3,736.1		TRIM/REMOVE
152955	HORIZONTAL	TREE	N34° 43' 38.00"	W112° 03' 03.48"	38.0	3,748.3		TRIM/REMOVE
152963	HORIZONTAL	TREE	N34° 43' 38.59"	W112° 03' 02.30"	19.3	3,729.6		TRIM/REMOVE
152979	HORIZONTAL	TREE	N34° 43' 39.60"	W112° 03' 02.61"	8.8	3,719.1		TRIM/REMOVE
153003	HORIZONTAL	TREE	N34° 43' 37.81"	W112° 03' 05.04"	28.7	3,739.0		TRIM/REMOVE
153011	HORIZONTAL	TREE	N34° 43' 35.51"	W112° 03' 04.92"	12.5	3,722.8		TRIM/REMOVE
153019	HORIZONTAL	TREE	N34° 43' 36.49"	W112° 03' 05.43"	13.8	3,724.1		TRIM/REMOVE
153027	HORIZONTAL	TREE	N34° 43' 36.33"	W112° 03' 03.90"	9.5	3,719.8		TRIM/REMOVE
153035	HORIZONTAL	TREE	N34° 43' 34.84"	W112° 03' 04.01"	4.7	3,715.0		TRIM/REMOVE
153051	HORIZONTAL	TREE	N34° 43' 33.25"	W112° 03' 03.49"	11.8	3,722.1		TRIM/REMOVE
153067	HORIZONTAL	TREE	N34° 43' 31.50"	W112° 03' 02.46"	15.9	3,726.2		TRIM/REMOVE

NOTES

1. SURVEY PERFORMED JULY 2020.
2. PART 77 SURFACES BASED ON 14 CFR PART 77.
3. PART 77 APPROACH SURFACES SHOWN ON SHEET 34 - INNER PORTION OF THE APPROACH SURFACE DRAWING; PART 77 APPROACH SURFACE OBSTRUCTIONS LISTED ON SHEETS 35-36.
4. TRAVERSEWAY ELEVATIONS INCLUDE THE FOLLOWING ADJUSTMENTS: PRIVATE ROADS: 10', PUBLIC ROADS: 15'. NO INTERSTATE HIGHWAYS OR RAILROADS ARE LOCATED IN THE IMMEDIATE VICINITY OF THE AIRPORT.
5. SURVEY IDENTIFIED A TOTAL OF 6,298 OBSTRUCTIONS TO PART 77 SURFACES, NOT INCLUDING PART 77 APPROACH SURFACES. OBSTRUCTIONS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT TOP 2% OF PENETRATIONS TO EACH PART 77 SURFACE.
6. OBSTRUCTION GROUPS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT APPROXIMATE LOCATION OF ALL OBSTRUCTIONS. COMPREHENSIVE LISTS OF OBSTRUCTIONS TO EACH PART 77 SURFACE, NOT INCLUDING PART 77 APPROACH SURFACES, ARE INCLUDED ON SHEETS 7-33.
7. OBSTRUCTION DESCRIPTIONS ARE GROUPED IN THE SUMMARY TABLE ON SHEET 6 - AIRPORT AIRSPACE DRAWING PER THE FOLLOWING: VEGETATION = BUSH, SCRUB, TREE; GROUND = GROUND; BUILDINGS/HANGARS = BUILDING, HANGAR; POLES/TOWERS = ANTENNA, BEACON, POLE, POLE_LIGHT, POLE_UTIL, POST, TRANSMISSION_PYLON, VERTICAL_POINT; NAVAIDS = PAPI, PAPI_CONTROL_BOX, REIL, SIGN, WINDSOCK; GROUND TRANSPORTATION = PARKING_LOT, ROAD - PRIVATE, ROAD - PUBLIC, STREET SIGN; UTILITY INFRASTRUCTURE = A/G PIPE, DAM, ELEC_BOX, MISC_UTIL, SOLAR_PANELS, TANK, TRANSFORMER; FENCE = FENCE, GATE; OTHER = CANOPY, DIRT_PILE, WALL
8. ALL HEIGHTS SHOWN IN FEET.
9. OBSTRUCTION HEIGHT ABOVE GROUND LEVEL PROVIDED WHERE AVAILABLE.
10. DEFINITIONS: PEN = PENETRATION; MSL = MEAN SEA LEVEL; AGL = ABOVE GROUND LEVEL; OL = OBSTRUCTION LIGHTING; DNH = DETERMINATION OF NO HAZARD

NO.	DATE	REVISIONS	BY	APPR.
5				
4				
3				
2				
1				

Kimley»Horn

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FAA DISCLAMER

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COTTONWOOD MUNICIPAL AIRPORT
COTTONWOOD, AZ

AIRPORT AIRSPACE DRAWING - PART 77 SURFACE PENETRATION TABLES (17 OF 27)

JOB NO. 291447000	DRAWN KH	CHECKED CBW	SHEET 23 OF 40
DATE: DECEMBER 2022	DESIGNED JTC	APPROVED CBW	

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
HORIZONTAL SURFACE PENETRATION GROUP *(CONT.)*								
153075	HORIZONTAL	TREE	N34° 43' 32.40"	W112° 03' 01.74"	5.5	3,715.8		TRIM/REMOVE
153083	HORIZONTAL	TREE	N34° 43' 31.68"	W112° 03' 00.75"	7.4	3,717.7		TRIM/REMOVE
153091	HORIZONTAL	TREE	N34° 43' 30.83"	W112° 02' 59.51"	11.4	3,721.7		TRIM/REMOVE
153099	HORIZONTAL	TREE	N34° 43' 30.73"	W112° 02' 58.03"	6.6	3,716.9		TRIM/REMOVE
153107	HORIZONTAL	TREE	N34° 43' 30.37"	W112° 02' 56.33"	5.0	3,715.3		TRIM/REMOVE
153115	HORIZONTAL	TREE	N34° 43' 30.40"	W112° 02' 55.21"	3.8	3,714.2		TRIM/REMOVE
153139	HORIZONTAL	TREE	N34° 43' 38.89"	W112° 03' 05.22"	28.0	3,738.3		TRIM/REMOVE
153651	HORIZONTAL	TREE	N34° 43' 57.75"	W112° 03' 13.10"	6.9	3,717.2		TRIM/REMOVE
153739	HORIZONTAL	TREE	N34° 43' 29.09"	W112° 02' 57.91"	14.0	3,724.3		TRIM/REMOVE
153883	HORIZONTAL	TREE	N34° 44' 17.26"	W112° 03' 15.50"	12.9	3,723.2		TRIM/REMOVE
153899	HORIZONTAL	TREE	N34° 44' 17.38"	W112° 03' 16.66"	5.8	3,716.1		TRIM/REMOVE
153907	HORIZONTAL	TREE	N34° 44' 19.02"	W112° 03' 16.60"	0.6	3,710.9		TRIM/REMOVE
154283	HORIZONTAL	TREE	N34° 44' 23.12"	W112° 03' 13.58"	4.3	3,714.6		TRIM/REMOVE
171684	HORIZONTAL	TREE	N34° 42' 52.09"	W112° 02' 36.63"	59.3	3,769.6		TRIM/REMOVE
171692	HORIZONTAL	TREE	N34° 42' 52.03"	W112° 02' 34.67"	52.1	3,762.4		TRIM/REMOVE
171700	HORIZONTAL	TREE	N34° 42' 50.37"	W112° 02' 30.95"	45.4	3,755.7		TRIM/REMOVE
171708	HORIZONTAL	TREE	N34° 42' 51.19"	W112° 02' 29.78"	38.5	3,748.8		TRIM/REMOVE
171716	HORIZONTAL	TREE	N34° 42' 50.18"	W112° 02' 25.43"	27.9	3,738.2		TRIM/REMOVE
171724	HORIZONTAL	TREE	N34° 42' 51.60"	W112° 02' 25.90"	23.3	3,733.6		TRIM/REMOVE
171732	HORIZONTAL	TREE	N34° 42' 56.49"	W112° 02' 25.59"	9.4	3,719.7		TRIM/REMOVE
171740	HORIZONTAL	TREE	N34° 42' 59.25"	W112° 02' 32.17"	19.3	3,729.6		TRIM/REMOVE
171748	HORIZONTAL	TREE	N34° 42' 58.87"	W112° 02' 31.15"	17.7	3,728.0		TRIM/REMOVE
171764	HORIZONTAL	TREE	N34° 42' 58.18"	W112° 02' 34.45"	30.7	3,741.0		TRIM/REMOVE
171772	HORIZONTAL	TREE	N34° 42' 59.70"	W112° 02' 36.56"	31.9	3,742.2		TRIM/REMOVE
171780	HORIZONTAL	TREE	N34° 43' 02.81"	W112° 02' 38.07"	25.1	3,735.4		TRIM/REMOVE
171900	HORIZONTAL	TREE	N34° 43' 03.26"	W112° 02' 42.85"	33.3	3,743.6		TRIM/REMOVE
171908	HORIZONTAL	TREE	N34° 43' 04.53"	W112° 02' 41.09"	29.3	3,739.6		TRIM/REMOVE
171916	HORIZONTAL	TREE	N34° 43' 00.97"	W112° 02' 37.48"	29.0	3,739.3		TRIM/REMOVE
171924	HORIZONTAL	TREE	N34° 43' 01.67"	W112° 02' 35.45"	18.2	3,728.5		TRIM/REMOVE
171932	HORIZONTAL	TREE	N34° 42' 59.03"	W112° 02' 33.36"	22.7	3,733.0		TRIM/REMOVE
171940	HORIZONTAL	TREE	N34° 43' 02.44"	W112° 02' 35.83"	18.0	3,728.3		TRIM/REMOVE
171948	HORIZONTAL	TREE	N34° 43' 04.28"	W112° 02' 38.58"	23.8	3,734.1		TRIM/REMOVE
171956	HORIZONTAL	TREE	N34° 43' 05.59"	W112° 02' 42.56"	28.6	3,738.9		TRIM/REMOVE
171964	HORIZONTAL	TREE	N34° 43' 04.73"	W112° 02' 44.39"	35.4	3,745.7		TRIM/REMOVE
171980	HORIZONTAL	TREE	N34° 43' 06.68"	W112° 02' 48.56"	43.6	3,753.9		TRIM/REMOVE
171988	HORIZONTAL	TREE	N34° 43' 05.67"	W112° 02' 48.68"	52.7	3,763.0		TRIM/REMOVE
171996	HORIZONTAL	TREE	N34° 43' 06.89"	W112° 02' 46.96"	32.2	3,742.5		TRIM/REMOVE
172004	HORIZONTAL	TREE	N34° 43' 07.06"	W112° 02' 45.78"	29.1	3,739.4		TRIM/REMOVE
172012	HORIZONTAL	TREE	N34° 43' 07.13"	W112° 02' 44.49"	28.8	3,739.1		TRIM/REMOVE
172020	HORIZONTAL	TREE	N34° 43' 07.12"	W112° 02' 43.52"	27.1	3,737.4		TRIM/REMOVE
172028	HORIZONTAL	TREE	N34° 43' 09.10"	W112° 02' 46.80"	66.5	3,776.8		TRIM/REMOVE
172036	HORIZONTAL	TREE	N34° 43' 08.90"	W112° 02' 48.52"	67.3	3,777.6		TRIM/REMOVE
172756	HORIZONTAL	TREE	N34° 42' 50.51"	W112° 02' 33.73"	54.1	3,764.4		TRIM/REMOVE
172764	HORIZONTAL	TREE	N34° 42' 52.17"	W112° 02' 32.16"	44.4	3,754.7		TRIM/REMOVE
172772	HORIZONTAL	TREE	N34° 42' 53.52"	W112° 02' 31.26"	36.3	3,746.6		TRIM/REMOVE
172780	HORIZONTAL	TREE	N34° 42' 55.01"	W112° 02' 32.34"	36.0	3,746.3		TRIM/REMOVE
172788	HORIZONTAL	TREE	N34° 42' 54.65"	W112° 02' 34.35"	47.0	3,757.3		TRIM/REMOVE
172796	HORIZONTAL	TREE	N34° 42' 53.47"	W112° 02' 38.32"	60.5	3,770.8		TRIM/REMOVE
172804	HORIZONTAL	TREE	N34° 42' 52.65"	W112° 02' 38.28"	58.5	3,768.8		TRIM/REMOVE
172812	HORIZONTAL	TREE	N34° 42' 54.75"	W112° 02' 38.48"	53.3	3,763.7		TRIM/REMOVE
172820	HORIZONTAL	TREE	N34° 42' 54.49"	W112° 02' 30.68"	32.9	3,743.2		TRIM/REMOVE
172828	HORIZONTAL	TREE	N34° 42' 53.44"	W112° 02' 30.25"	33.5	3,743.9		TRIM/REMOVE
172836	HORIZONTAL	TREE	N34° 42' 59.62"	W112° 02' 28.46"	13.9	3,724.2		TRIM/REMOVE
172844	HORIZONTAL	TREE	N34° 43' 03.34"	W112° 02' 33.34"	6.0	3,716.3		TRIM/REMOVE
172852	HORIZONTAL	TREE	N34° 43' 01.84"	W112° 02' 39.53"	32.4	3,742.7		TRIM/REMOVE
172860	HORIZONTAL	TREE	N34° 43' 02.95"	W112° 02' 41.87"	32.7	3,743.0		TRIM/REMOVE
174164	HORIZONTAL	SCRUB	N34° 42' 59.63"	W112° 02' 44.16"	47.9	3,758.2		TRIM/REMOVE
174172	HORIZONTAL	SCRUB	N34° 42' 58.91"	W112° 02' 41.20"	44.8	3,755.1		TRIM/REMOVE
174180	HORIZONTAL	SCRUB	N34° 42' 56.82"	W112° 02' 40.46"	51.5	3,761.8		TRIM/REMOVE
174188	HORIZONTAL	SCRUB	N34° 42' 56.15"	W112° 02' 41.65"	57.2	3,767.5		TRIM/REMOVE
174196	HORIZONTAL	SCRUB	N34° 42' 54.76"	W112° 02' 40.99"	59.4	3,769.7		TRIM/REMOVE
174204	HORIZONTAL	SCRUB	N34° 42' 54.05"	W112° 02' 39.91"	55.8	3,766.1		TRIM/REMOVE
174284	HORIZONTAL	SCRUB	N34° 42' 55.50"	W112° 02' 38.24"	46.9	3,757.2		TRIM/REMOVE
174292	HORIZONTAL	SCRUB	N34° 42' 57.59"	W112° 02' 38.09"	41.6	3,751.9		TRIM/REMOVE
174300	HORIZONTAL	SCRUB	N34° 42' 57.77"	W112° 02' 36.81"	34.9	3,745.2		TRIM/REMOVE
174308	HORIZONTAL	SCRUB	N34° 42' 58.69"	W112° 02' 36.95"	33.7	3,744.0		TRIM/REMOVE
174316	HORIZONTAL	SCRUB	N34° 42' 59.84"	W112° 02' 35.73"	22.5	3,732.8		TRIM/REMOVE
174324	HORIZONTAL	SCRUB	N34° 43' 00.60"	W112° 02' 36.52"	23.9	3,734.2		TRIM/REMOVE
174332	HORIZONTAL	SCRUB	N34° 43' 01.09"	W112° 02' 38.42"	27.2	3,737.5		TRIM/REMOVE
174340	HORIZONTAL	SCRUB	N34° 42' 59.36"	W112° 02' 40.12"	40.4	3,750.7		TRIM/REMOVE
174348	HORIZONTAL	TREE	N34° 43' 00.00"	W112° 02' 42.87"	44.4	3,754.7		TRIM/REMOVE
174356	HORIZONTAL	TREE	N34° 43' 01.23"	W112° 02' 43.08"	41.7	3,752.0		TRIM/REMOVE
174364	HORIZONTAL	TREE	N34° 43' 01.36"	W112° 02' 44.46"	43.9	3,754.2		TRIM/REMOVE
174372	HORIZONTAL	TREE	N34° 43' 01.09"	W112° 02' 45.79"	50.8	3,761.1		TRIM/REMOVE
175332	HORIZONTAL	TREE	N34° 43' 03.85"	W112° 02' 35.25"	11.6	3,721.9		TRIM/REMOVE
175340	HORIZONTAL	SCRUB	N34° 43' 02.20"	W112° 02' 36.66"	20.8	3,731.1		TRIM/REMOVE
175348	HORIZONTAL	SCRUB	N34° 43' 00.05"	W112° 02' 37.53"	30.8	3,741.1		TRIM/REMOVE
175356	HORIZONTAL	SCRUB	N34° 42' 56.51"	W112° 02' 39.42"	49.8	3,760.1		TRIM/REMOVE
175364	HORIZONTAL	SCRUB	N34° 42' 55.64"	W112° 02' 40.96"	57.9	3,768.2		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
HORIZONTAL SURFACE PENETRATION GROUP *(CONT.)*								
175380	HORIZONTAL	SCRUB	N34° 42' 54.04"	W112° 02' 39.04"	55.0	3,765.3		TRIM/REMOVE
175388	HORIZONTAL	SCRUB	N34° 42' 52.79"	W112° 02' 35.60"	50.3	3,760.6		TRIM/REMOVE
175396	HORIZONTAL	SCRUB	N34° 42' 53.64"	W112° 02' 34.02"	41.5	3,751.8		TRIM/REMOVE
175404	HORIZONTAL	SCRUB	N34° 42' 51.79"	W112° 02' 33.80"	44.3	3,754.6		TRIM/REMOVE
175412	HORIZONTAL	SCRUB	N34° 42' 50.44"	W112° 02' 32.75"	47.7	3,758.0		TRIM/REMOVE
175420	HORIZONTAL	SCRUB	N34° 42' 49.61"	W112° 02' 33.29"	52.4	3,762.7		TRIM/REMOVE
175428	HORIZONTAL	SCRUB	N34° 42' 48.45"	W112° 02' 31.89"	50.5	3,760.8		TRIM/REMOVE
175436	HORIZONTAL	SCRUB	N34° 42' 48.84"	W112° 02' 29.41"	41.3	3,751.6		TRIM/REMOVE
175444	HORIZONTAL	SCRUB	N34° 42' 49.70"	W112° 02' 28.95"	35.5	3,745.8		TRIM/REMOVE
175452	HORIZONTAL	SCRUB	N34° 42' 50.37"	W112° 02' 28.04"	30.7	3,741.0		TRIM/REMOVE
175460	HORIZONTAL	SCRUB	N34° 42' 51.90"	W112° 02' 28.28"	30.0	3,740.3		TRIM/REMOVE
175468	HORIZONTAL	SCRUB	N34° 42' 52.67"	W112° 02' 27.41"	22.9	3,733.2		TRIM/REMOVE
175476	HORIZONTAL	SCRUB	N34° 42' 50.62"	W112° 02' 26.54"	25.4	3,735.7		TRIM/REMOVE
175484	HORIZONTAL	SCRUB	N34° 42' 49.34"	W112° 02' 25.51"	24.1	3,734.4		TRIM/REMOVE
175492	HORIZONTAL	SCRUB	N34° 42' 49.90"	W112° 02' 24.23"	18.5	3,728.8		TRIM/REMOVE
175500	HORIZONTAL	SCRUB	N34° 42' 48.20"	W112° 02' 24.44"	25.5	3,735.8		TRIM/REMOVE
175508	HORIZONTAL	SCRUB	N34° 42' 48.71"	W112° 02' 23.56"	20.3	3,730.6		TRIM/REMOVE
175516	HORIZONTAL	SCRUB	N34° 42' 50.02"	W112° 02' 21.89"	9.7	3,720.0		TRIM/REMOVE
175524	HORIZONTAL	GROUND	N34° 42' 42.61"	W112° 02' 18.58"	9.5	3,719.8		PROVIDE OL
175532	HORIZONTAL	GROUND	N34° 42' 41.78"	W112° 02' 19.93"	22.3	3,732.6		PROVIDE OL
175540	HORIZONTAL	TREE	N34° 42' 44.47"	W112° 02' 26.36"	46.3	3,756.6		TRIM/REMOVE
175548	HORIZONTAL	TREE	N34° 42' 42.83"	W112° 02' 27.05"	53.2	3,763.5		TRIM/REMOVE
175724	HORIZONTAL	SCRUB	N34° 42' 52.57"	W112° 02' 30.07"	27.7	3,738.0		TRIM/REMOVE
176076	HORIZONTAL	TREE	N34° 42' 46.02"	W112° 02' 28.67"	47.7	3,758.0		TRIM/REMOVE
176084	HORIZONTAL	TREE	N34° 42' 44.86"	W112° 02' 27.21"	48.3	3,758.6		TRIM/REMOVE
176092	HORIZONTAL	TREE	N34° 42' 46.91"	W112° 02' 25.98"	35.9	3,746.2		TRIM/REMOVE
176100	HORIZONTAL	SCRUB	N34° 42' 53.04"	W112° 02' 23.42"	8.2	3,718.5		TRIM/REMOVE
176108	HORIZONTAL	SCRUB	N34° 42' 52.42"	W112° 02' 24.84"	13.3	3,723.6		TRIM/REMOVE
176116	HORIZONTAL	SCRUB	N34° 42' 48.90"	W112° 02' 34.08"	55.0	3,765.3		TRIM/REMOVE
176180	HORIZONTAL	TREE	N34° 42' 57.75"	W112° 02' 30.10"	17.2	3,727.5		TRIM/REMOVE
176188	HORIZONTAL	TREE	N34° 42' 58.17"	W112° 02' 31.80"	20.9	3,731.2		TRIM/REMOVE
176196	HORIZONTAL	TREE	N34° 42' 59.65"	W112° 02' 30.78"	10.3	3,720.6		TRIM/REMOVE
176204	HORIZONTAL	TREE	N34° 42' 59.17"	W112° 02' 29.36"	12.3	3,722.6		TRIM/REMOVE
176212	HORIZONTAL	TREE	N34° 42' 58.12"	W112° 02' 29.21"	13.5	3,723.8		TRIM/REMOVE
176228	HORIZONTAL	TREE	N34° 43' 01.27"	W112° 02' 29.86"	2.4	3,712.7		TRIM/REMOVE
177228	HORIZONTAL	SCRUB	N34° 43' 08.95"	W112° 02' 49.74"	57.4	3,767.7		TRIM/REMOVE
177236	HORIZONTAL	TREE	N34° 43' 07.81"	W112° 02' 49.08"	47.2	3,757.5		TRIM/REMOVE
177244	HORIZONTAL	TREE	N34° 43' 07.89"	W112° 02' 48.01"	38.3	3,748.6		TRIM/REMOVE
177252	HORIZONTAL	SCRUB	N34° 43' 08.64"	W112° 02' 45.49"	40.1	3,750.4		TRIM/REMOVE
177260	HORIZONTAL	SCRUB	N34° 43' 08.82"	W112° 02' 44.45"	28.1	3,738.4		TRIM/REMOVE
177268	HORIZONTAL	SCRUB	N34° 43' 08.49"	W112° 02' 47.07"	45.3	3,755.6		TRIM/REMOVE
177308	HORIZONTAL	TREE	N34° 43' 14.88"	W112° 02' 48.15"	55.1	3,765.4		TRIM/REMOVE
177316	HORIZONTAL	TREE	N34° 43' 14.69"	W112° 02' 49.17"	57.3	3,767.6		TRIM/REMOVE
177324	HORIZONTAL	TREE	N34° 43' 16.32"	W112° 02' 45.61"	30.2	3,740.5		TRIM/REMOVE
177332	HORIZONTAL	TREE	N34° 43' 17.23"	W112° 02' 38.33"	27.6	3,737.9		TRIM/REMOVE
177340	HORIZONTAL	TREE	N34° 43' 17.50"	W112° 02' 39.40"	22.7	3,733.0		TRIM/REMOVE
177412	HORIZONTAL	TREE	N34° 43' 19.48"	W112° 02' 54.97"	39.6	3,749.9		TRIM/REMOVE
177420	HORIZONTAL	TREE	N34° 43' 20.83"	W112° 02' 55.83"	41.6	3,751.9		TRIM/REMOVE
177428	HORIZONTAL	TREE	N34° 43' 20.43"	W112° 02' 56.93"	38.1	3,748.4		TRIM/REMOVE
177460	HORIZONTAL	TREE	N34° 43' 21.64"	W112° 02' 54.07"	26.2	3,736.5		TRIM/REMOVE
177468	HORIZONTAL	TREE	N34° 43' 20.94"	W112° 02' 53.23"	30.3	3,740.6		TRIM/REMOVE
177476	HORIZONTAL	TREE	N34° 43' 19.92"	W112° 02' 53.70"	35.0	3,745.3		TRIM/REMOVE
177484	HORIZONTAL	TREE	N34° 43' 20.07"	W112° 02' 52.75"	33.8	3,744.1		TRIM/REMOVE
177492	HORIZONTAL	TREE	N34° 43' 23.00"	W112° 02' 53.34"	26.0	3,736.3		TRIM/REMOVE
177500	HORIZONTAL	TREE	N34° 43' 22.23"	W112° 02' 52.08"	21.3	3,731.6		TRIM/REMOVE
177508	HORIZONTAL	TREE	N34° 43' 23.55"	W112° 02' 52.20"	13.4	3,723.7		TRIM/REMOVE
177516	HORIZONTAL	TREE	N34° 43' 23.98"	W112° 02' 55.29"	29.6	3,739.9		TRIM/REMOVE
177524	HORIZONTAL	TREE	N34° 43' 24.99"	W112° 02' 55.92"	27.2	3,737.5		TRIM/REMOVE
177532	HORIZONTAL	TREE	N34° 43' 22.79"	W112° 02' 51.43"	12.6	3,722.9		TRIM/REMOVE
177716	HORIZONTAL	GROUND	N34° 43' 23.21"	W112° 02' 55.90"	19.7	3,730.0		PROVIDE OL
177724	HORIZONTAL	GROUND	N34° 43' 22.38"	W112° 02' 55.22"	27.9	3,738.2		PROVIDE OL
178455	HORIZONTAL	TREE	N34° 43' 25.21"	W112° 02' 58.66"	18.9	3,729.2		TRIM/REMOVE
178463	HORIZONTAL	TREE	N34° 43' 26.53"	W112° 02' 58.70"	14.7	3,725.0		TRIM/REMOVE
178471	HORIZONTAL	TREE	N34° 43' 27.83"	W112° 02' 57.59"	11.2	3,721.5		TRIM/REMOVE
178479	HORIZONTAL	TREE	N34° 43' 27.13"	W112° 02' 57.04"	16.3	3,726.6		TRIM/REMOVE
178487	HORIZONTAL	TREE	N34° 43' 28.57"	W112° 02' 59.13"	17.7	3,728.0		TRIM/REMOVE
178495	HORIZONTAL	TREE	N34° 43' 27.59"	W112° 03' 00.13"	45.3	3,755.6		TRIM/REMOVE
178503	HORIZONTAL	TREE	N34° 43' 28.34"	W112° 03' 00.70"	48.4	3,758.7		TRIM/REMOVE
179215	HORIZONTAL	TREE	N34° 43' 15.56"	W112° 02' 50.96"	67.7	3,778.0		TRIM/REMOVE
179223	HORIZONTAL	TREE	N34° 43' 16.60"	W112° 02' 50.20"	47.2	3,757.5		TRIM/REMOVE
179231	HORIZONTAL	TREE	N34° 43' 10.19"	W112° 02' 48.37"	71.4	3,781.7		TRIM/REMOVE
179239	HORIZONTAL	TREE	N34° 43' 10.78"	W112° 02' 46.57"	46.3	3,756.6		TRIM/REMOVE
179247	HORIZONTAL	TREE	N34° 43' 12.33"	W112° 02' 47.69"	68.0	3,778.3		TRIM/REMOVE
179255	HORIZONTAL	TREE	N34° 43' 13.70"	W112° 02' 46.31"	60.7	3,771.0		TRIM/REMOVE
179263	HORIZONTAL	TREE	N34° 43' 14.32"	W112° 02' 47.35"	58.1	3,768.4		TRIM/REMOVE
179727	HORIZONTAL	TREE	N34° 43' 21.50"	W112° 02' 44.93"	4.3	3,714.6		TRIM/REMOVE
179735	HORIZONTAL	TREE	N34° 43' 19.88"	W112° 02' 48.81"	18.2	3,728.5		TRIM/REMOVE
180847	HORIZONTAL	SCRUB	N34° 43' 23.06"	W112° 02' 55.21"	24.8	3,735.1		TRIM/REMOVE
180855	HORIZONTAL	GROUND	N34° 43' 23.13"	W112° 02' 54.22"	1.7	3,712.0		PROVIDE OL

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
HORIZONTAL SURFACE PENETRATION GROUP *(CONT.)*								
180863	HORIZONTAL	TREE	N34° 43' 23.77"	W112° 02' 53.11"	21.9	3,732.2		TRIM/REMOVE
180871	HORIZONTAL	TREE	N34° 43' 25.44"	W112° 02' 52.87"	23.9	3,734.2		TRIM/REMOVE
180879	HORIZONTAL	TREE	N34° 43' 26.41"	W112° 02' 51.43"	20.1	3,730.4		TRIM/REMOVE
180903	HORIZONTAL	TREE	N34° 43' 22.99"	W112° 02' 48.48"	7.8	3,718.1		TRIM/REMOVE
180911	HORIZONTAL	TREE	N34° 43' 19.81"	W112° 02' 51.37"	30.6	3,740.9		TRIM/REMOVE
180919	HORIZONTAL	TREE	N34° 43' 17.48"	W112° 02' 50.82"	37.5	3,747.8		TRIM/REMOVE
181903	HORIZONTAL	TREE	N34° 43' 30.19"	W112° 03' 00.28"	16.8	3,727.1		TRIM/REMOVE
181911	HORIZONTAL	TREE	N34° 43' 31.47"	W112° 02' 57.50"	0.1	3,710.4		TRIM/REMOVE
181927	HORIZONTAL	TREE	N34° 43' 32.17"	W112° 02' 59.92"	1.1	3,711.4		TRIM/REMOVE
181943	HORIZONTAL	TREE	N34° 43' 29.53"	W112° 02' 55.61"	8.2	3,718.5		TRIM/REMOVE
181951	HORIZONTAL	TREE	N34° 43' 31.20"	W112° 02' 56.74"	2.0	3,712.3		TRIM/REMOVE
181959	HORIZONTAL	TREE	N34° 43' 30.09"	W112° 02' 57.48"	5.3	3,715.6		TRIM/REMOVE
181967	HORIZONTAL	TREE	N34° 43' 29.86"	W112° 02' 58.16"	8.1	3,718.4		TRIM/REMOVE
181975	HORIZONTAL	TREE	N34° 43' 30.13"	W112° 02' 59.42"	14.7	3,725.0		TRIM/REMOVE
184911	HORIZONTAL	TREE	N34° 43' 37.63"	W112° 03' 05.97"	8.9	3,719.2		TRIM/REMOVE
184935	HORIZONTAL	TREE	N34° 43' 39.72"	W112° 03' 03.91"	16.0	3,726.3		TRIM/REMOVE
184943	HORIZONTAL	TREE	N34° 43' 38.27"	W112° 03' 01.45"	2.6	3,712.9		TRIM/REMOVE
184951	HORIZONTAL	TREE	N34° 43' 37.69"	W112° 03' 02.01"	23.3	3,733.6		TRIM/REMOVE
191928	HORIZONTAL	TREE	N34° 43' 31.15"	W112° 03' 00.22"	8.9	3,719.2		TRIM/REMOVE
192576	HORIZONTAL	TREE	N34° 42' 56.29"	W112° 02' 29.33"	22.0	3,732.3		TRIM/REMOVE
192584	HORIZONTAL	SCRUB	N34° 42' 55.18"	W112° 02' 31.31"	27.1	3,737.4		TRIM/REMOVE
192592	HORIZONTAL	SCRUB	N34° 42' 56.41"	W112° 02' 30.62"	21.9	3,732.2		TRIM/REMOVE
192600	HORIZONTAL	SCRUB	N34° 42' 55.04"	W112° 02' 33.53"	33.5	3,743.9		TRIM/REMOVE
192608	HORIZONTAL	SCRUB	N34° 42' 53.43"	W112° 02' 32.91"	35.7	3,746.0		TRIM/REMOVE
192616	HORIZONTAL	TREE	N34° 42' 51.55"	W112° 02' 35.58"	55.3	3,765.6		TRIM/REMOVE
192792	HORIZONTAL	TREE	N34° 43' 02.06"	W112° 02' 41.18"	35.4	3,745.7		TRIM/REMOVE
192800	HORIZONTAL	TREE	N34° 43' 02.07"	W112° 02' 45.73"	46.3	3,756.6		TRIM/REMOVE
193168	HORIZONTAL	SCRUB	N34° 43' 04.40"	W112° 02' 47.69"	43.2	3,753.5		TRIM/REMOVE
193176	HORIZONTAL	SCRUB	N34° 43' 05.41"	W112° 02' 47.59"	40.2	3,750.5		TRIM/REMOVE
193192	HORIZONTAL	SCRUB	N34° 43' 15.75"	W112° 02' 35.56"	58.5	3,768.8		TRIM/REMOVE
193200	HORIZONTAL	SCRUB	N34° 43' 12.08"	W112° 02' 45.04"	56.8	3,767.1		TRIM/REMOVE
193208	HORIZONTAL	SCRUB	N34° 43' 09.67"	W112° 02' 50.12"	72.7	3,783.0		TRIM/REMOVE
193480	HORIZONTAL	TREE	N34° 43' 14.77"	W112° 02' 41.15"	79.8	3,790.1		TRIM/REMOVE
193488	HORIZONTAL	TREE	N34° 43' 18.27"	W112° 02' 40.79"	8.7	3,719.0		TRIM/REMOVE
193496	HORIZONTAL	TREE	N34° 43' 17.76"	W112° 02' 42.60"	17.1	3,727.4		TRIM/REMOVE
193504	HORIZONTAL	TREE	N34° 43' 15.76"	W112° 02' 47.94"	41.8	3,752.1		TRIM/REMOVE
193512	HORIZONTAL	TREE	N34° 43' 15.59"	W112° 02' 50.12"	61.5	3,771.8		TRIM/REMOVE
193520	HORIZONTAL	TREE	N34° 43' 14.62"	W112° 02' 51.40"	79.2	3,789.5		TRIM/REMOVE
193528	HORIZONTAL	TREE	N34° 43' 13.81"	W112° 02' 52.08"	101.6	3,811.9		TRIM/REMOVE
193648	HORIZONTAL	TREE	N34° 43' 18.33"	W112° 02' 52.82"	43.1	3,753.4		TRIM/REMOVE
193672	HORIZONTAL	SCRUB	N34° 43' 18.49"	W112° 02' 55.58"	40.0	3,750.3		TRIM/REMOVE
193824	HORIZONTAL	TREE	N34° 43' 25.97"	W112° 02' 59.31"	23.4	3,733.7		TRIM/REMOVE
193840	HORIZONTAL	TREE	N34° 43' 35.57"	W112° 02' 49.49"	2.6	3,712.9		TRIM/REMOVE
193872	HORIZONTAL	TREE	N34° 43' 31.53"	W112° 02' 59.46"	5.5	3,715.8		TRIM/REMOVE
194024	HORIZONTAL	TREE	N34° 43' 36.38"	W112° 03' 01.84"	13.6	3,723.9		TRIM/REMOVE
207800	HORIZONTAL	TREE	N34° 43' 22.03"	W112° 02' 53.11"	18.5	3,728.8		TRIM/REMOVE
207816	HORIZONTAL	SCRUB	N34° 43' 17.23"	W112° 02' 54.26"	50.9	3,761.2		TRIM/REMOVE
207848	HORIZONTAL	TREE	N34° 43' 07.75"	W112° 02' 45.35"	25.8	3,736.1		TRIM/REMOVE
207856	HORIZONTAL	TREE	N34° 43' 10.46"	W112° 02' 38.39"	19.2	3,729.5		TRIM/REMOVE
207864	HORIZONTAL	SCRUB	N34° 43' 11.74"	W112° 02' 40.22"	48.6	3,758.9		TRIM/REMOVE
207928	HORIZONTAL	SCRUB	N34° 42' 46.87"	W112° 02' 32.06"	56.2	3,766.5		TRIM/REMOVE
207936	HORIZONTAL	SCRUB	N34° 42' 47.52"	W112° 02' 30.41"	49.3	3,759.6		TRIM/REMOVE
207944	HORIZONTAL	SCRUB	N34° 42' 47.85"	W112° 02' 27.80"	36.4	3,746.7		TRIM/REMOVE
207952	HORIZONTAL	SCRUB	N34° 42' 43.01"	W112° 02' 23.81"	35.0	3,745.3		TRIM/REMOVE
CONICAL SURFACE PENETRATION GROUP								
18880	CONICAL	TREE	N34° 42' 04.84"	W112° 02' 18.29"	3.8	3,914.1		TRIM/REMOVE
18888	CONICAL	TREE	N34° 42' 03.89"	W112° 02' 21.56"	32.5	3,942.8		TRIM/REMOVE
18896	CONICAL	TREE	N34° 42' 03.34"	W112° 02' 24.21"	56.2	3,966.5		TRIM/REMOVE
18904	CONICAL	TREE	N34° 42' 00.84"	W112° 02' 25.92"	96.4	4,006.7		TRIM/REMOVE
18984	CONICAL	TREE	N34° 42' 31.77"	W112° 02' 30.55"	1.0	3,911.3		TRIM/REMOVE
19008	CONICAL	GROUND	N34° 42' 29.98"	W112° 02' 37.49"	34.7	3,945.0		PROVIDE OL
19016	CONICAL	GROUND	N34° 42' 29.32"	W112° 02' 39.74"	35.8	3,946.1		PROVIDE OL
19208	CONICAL	TREE	N34° 42' 01.59"	W112° 02' 21.32"	17.5	3,927.8		TRIM/REMOVE
19472	CONICAL	TREE	N34° 42' 01.65"	W112° 02' 28.06"	102.6	4,012.9		TRIM/REMOVE
19480	CONICAL	TREE	N34° 41' 59.49"	W112° 02' 27.24"	105.4	4,015.7		TRIM/REMOVE
19488	CONICAL	TREE	N34° 42' 02.76"	W112° 02' 29.88"	88.2	3,998.5		TRIM/REMOVE
19496	CONICAL	TREE	N34° 42' 01.66"	W112° 02' 32.23"	89.2	3,999.5		TRIM/REMOVE
19504	CONICAL	TREE	N34° 42' 03.75"	W112° 02' 27.40"	60.7	3,971.0		TRIM/REMOVE
19512	CONICAL	TREE	N34° 42' 04.84"	W112° 02' 23.86"	14.2	3,924.5		TRIM/REMOVE
19840	CONICAL	TREE	N34° 42' 11.97"	W112° 02' 24.20"	10.3	3,920.6		TRIM/REMOVE
19848	CONICAL	TREE	N34° 42' 11.82"	W112° 02' 26.43"	21.6	3,931.9		TRIM/REMOVE
19856	CONICAL	TREE	N34° 42' 11.33"	W112° 02' 29.90"	20.8	3,931.1		TRIM/REMOVE
19864	CONICAL	TREE	N34° 42' 10.79"	W112° 02' 32.84"	47.4	3,957.7		TRIM/REMOVE
19872	CONICAL	TREE	N34° 42' 08.00"	W112° 02' 33.32"	27.5	3,937.8		TRIM/REMOVE
19944	CONICAL	TREE	N34° 42' 03.31"	W112° 02' 31.79"	40.8	3,951.1		TRIM/REMOVE
19960	CONICAL	TREE	N34° 42' 07.37"	W112° 02' 35.24"	48.6	3,958.9		TRIM/REMOVE
19968	CONICAL	TREE	N34° 42' 06.14"	W112° 02' 37.30"	70.2	3,980.5		TRIM/REMOVE
19976	CONICAL	TREE	N34° 42' 04.23"	W112° 02' 36.40"	3.7	3,914.0		TRIM/REMOVE
20000	CONICAL	TREE	N34° 42' 03.00"	W112° 02' 34.10"	5.4	3,915.7		TRIM/REMOVE

NOTES

1. SURVEY PERFORMED JULY 2020.
2. PART 77 SURFACES BASED ON 14 CFR PART 77.
3. PART 77 APPROACH SURFACES SHOWN ON SHEET 34 - INNER PORTION OF THE APPROACH SURFACE DRAWING; PART 77 APPROACH SURFACE OBSTRUCTIONS LISTED ON SHEETS 35-36.
4. TRAVERSEWAY ELEVATIONS INCLUDE THE FOLLOWING ADJUSTMENTS: PRIVATE ROADS: 10', PUBLIC ROADS: 15'. NO INTERSTATE HIGHWAYS OR RAILROADS ARE LOCATED IN THE IMMEDIATE VICINITY OF THE AIRPORT.
5. SURVEY IDENTIFIED A TOTAL OF 6,298 OBSTRUCTIONS TO PART 77 SURFACES, NOT INCLUDING PART 77 APPROACH SURFACES. OBSTRUCTIONS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT TOP 2% OF PENETRATIONS TO EACH PART 77 SURFACE.
6. OBSTRUCTION GROUPS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT APPROXIMATE LOCATION OF ALL OBSTRUCTIONS. COMPREHENSIVE LISTS OF OBSTRUCTIONS TO EACH PART 77 SURFACE, NOT INCLUDING PART 77 APPROACH SURFACES, ARE INCLUDED ON SHEETS 7-33.
7. OBSTRUCTION DESCRIPTIONS ARE GROUPED IN THE SUMMARY TABLE ON SHEET 6 - AIRPORT AIRSPACE DRAWING PER THE FOLLOWING: VEGETATION = BUSH, SCRUB, TREE; GROUND = GROUND; BUILDINGS/HANGARS = BUILDING, HANGAR; POLES/TOWERS = ANTENNA, BEACON, POLE, POLE_LIGHT, POLE_UTIL, POST, TRANSMISSION_PYLON, VERTICAL_POINT; NAVAIDS = PAPI, PAPI_CONTROL_BOX, REIL, SIGN, WINDSOCK; GROUND TRANSPORTATION = PARKING_LOT, ROAD - PRIVATE, ROAD - PUBLIC, STREET SIGN; UTILITY INFRASTRUCTURE = A/G PIPE, DAM, ELEC_BOX, MISC_UTIL, SOLAR_PANELS, TANK, TRANSFORMER; FENCE = FENCE, GATE; OTHER = CANOPY, DIRT_PILE, WALL
8. ALL HEIGHTS SHOWN IN FEET.
9. OBSTRUCTION HEIGHT ABOVE GROUND LEVEL PROVIDED WHERE AVAILABLE.
10. DEFINITIONS: PEN = PENETRATION; MSL = MEAN SEA LEVEL; AGL = ABOVE GROUND LEVEL; OL = OBSTRUCTION LIGHTING; DNH = DETERMINATION OF NO HAZARD

NO.	DATE	REVISIONS	BY	APPR.
5				
4				
3				
2				
1				

Kimley»Horn

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FAA DISCLAMER

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COTTONWOOD MUNICIPAL AIRPORT
COTTONWOOD, AZ

AIRPORT AIRSPACE DRAWING -
PART 77 SURFACE PENETRATION TABLES (18 OF 27)

JOB NO. 291447000	DRAWN KH	CHECKED CBW	SHEET 24 OF 40
DATE: DECEMBER 2022	DESIGNED JTC	APPROVED CBW	

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
CONICAL SURFACE PENETRATION GROUP *(CONT.)*								
20008	CONICAL	TREE	N34° 42' 03.77"	W112° 02' 38.61"	36.1	3,946.4		TRIM/REMOVE
20016	CONICAL	TREE	N34° 42' 05.21"	W112° 02' 39.74"	102.8	4,013.1		TRIM/REMOVE
20144	CONICAL	GROUND	N34° 42' 09.67"	W112° 02' 52.40"	173.5	4,083.8		PROVIDE OL
20208	CONICAL	GROUND	N34° 42' 09.22"	W112° 02' 42.10"	142.1	4,052.4		PROVIDE OL
20216	CONICAL	GROUND	N34° 42' 10.85"	W112° 02' 42.87"	141.7	4,052.0		PROVIDE OL
20264	CONICAL	GROUND	N34° 42' 12.77"	W112° 02' 43.66"	134.1	4,044.4		PROVIDE OL
20432	CONICAL	GROUND	N34° 42' 20.15"	W112° 02' 58.51"	82.3	3,992.6		PROVIDE OL
20440	CONICAL	GROUND	N34° 42' 18.45"	W112° 02' 57.52"	82.0	3,992.4		PROVIDE OL
20488	CONICAL	GROUND	N34° 42' 15.72"	W112° 02' 53.35"	59.7	3,970.0		PROVIDE OL
20512	CONICAL	GROUND	N34° 42' 21.06"	W112° 02' 56.25"	70.4	3,980.7		PROVIDE OL
20544	CONICAL	GROUND	N34° 42' 24.31"	W112° 02' 47.53"	22.4	3,932.7		PROVIDE OL
20632	CONICAL	GROUND	N34° 42' 24.17"	W112° 02' 42.21"	4.6	3,914.9		PROVIDE OL
20968	CONICAL	TREE	N34° 42' 19.47"	W112° 02' 29.60"	1.9	3,912.2		TRIM/REMOVE
21000	CONICAL	TREE	N34° 42' 11.65"	W112° 02' 28.50"	18.7	3,929.0		TRIM/REMOVE
21016	CONICAL	TREE	N34° 42' 15.02"	W112° 02' 32.67"	58.3	3,968.6		TRIM/REMOVE
21024	CONICAL	TREE	N34° 42' 15.80"	W112° 02' 30.19"	9.1	3,919.4		TRIM/REMOVE
21032	CONICAL	TREE	N34° 42' 18.30"	W112° 02' 31.47"	42.3	3,952.6		TRIM/REMOVE
21040	CONICAL	TREE	N34° 42' 18.26"	W112° 02' 33.68"	56.8	3,967.1		TRIM/REMOVE
21048	CONICAL	TREE	N34° 42' 17.67"	W112° 02' 35.65"	80.8	3,991.1		TRIM/REMOVE
21056	CONICAL	TREE	N34° 42' 16.65"	W112° 02' 37.68"	94.8	4,005.1		TRIM/REMOVE
21064	CONICAL	TREE	N34° 42' 14.29"	W112° 02' 36.52"	111.8	4,022.1		TRIM/REMOVE
21072	CONICAL	TREE	N34° 42' 15.52"	W112° 02' 34.66"	93.9	4,004.2		TRIM/REMOVE
21080	CONICAL	TREE	N34° 42' 11.25"	W112° 02' 35.17"	80.6	3,990.9		TRIM/REMOVE
21088	CONICAL	TREE	N34° 42' 12.70"	W112° 02' 33.68"	46.8	3,957.1		TRIM/REMOVE
21096	CONICAL	TREE	N34° 42' 12.22"	W112° 02' 31.53"	1.7	3,912.0		TRIM/REMOVE
21104	CONICAL	TREE	N34° 42' 16.86"	W112° 02' 31.55"	45.1	3,955.5		TRIM/REMOVE
21344	CONICAL	TREE	N34° 42' 20.00"	W112° 02' 35.20"	3.1	3,913.4		TRIM/REMOVE
21352	CONICAL	TREE	N34° 42' 19.26"	W112° 02' 37.31"	25.5	3,935.8		TRIM/REMOVE
21360	CONICAL	TREE	N34° 42' 16.21"	W112° 02' 40.13"	97.8	4,008.1		TRIM/REMOVE
21368	CONICAL	TREE	N34° 42' 14.34"	W112° 02' 39.47"	124.3	4,034.6		TRIM/REMOVE
21376	CONICAL	TREE	N34° 42' 12.07"	W112° 02' 37.83"	127.8	4,038.1		TRIM/REMOVE
21384	CONICAL	TREE	N34° 42' 09.69"	W112° 02' 36.59"	120.2	4,030.5		TRIM/REMOVE
21392	CONICAL	TREE	N34° 42' 09.42"	W112° 02' 34.41"	70.4	3,980.7		TRIM/REMOVE
21400	CONICAL	TREE	N34° 42' 09.44"	W112° 02' 30.60"	1.7	3,912.0		TRIM/REMOVE
21408	CONICAL	TREE	N34° 42' 08.23"	W112° 02' 38.31"	130.8	4,041.1		TRIM/REMOVE
21416	CONICAL	TREE	N34° 42' 11.77"	W112° 02' 40.43"	139.5	4,049.8		TRIM/REMOVE
21424	CONICAL	TREE	N34° 42' 15.30"	W112° 02' 42.57"	115.3	4,025.6		TRIM/REMOVE
21432	CONICAL	TREE	N34° 42' 13.78"	W112° 02' 41.12"	133.3	4,043.6		TRIM/REMOVE
21440	CONICAL	TREE	N34° 42' 14.50"	W112° 02' 44.64"	117.5	4,027.8		TRIM/REMOVE
21448	CONICAL	TREE	N34° 42' 13.44"	W112° 02' 47.97"	118.5	4,028.8		TRIM/REMOVE
21464	CONICAL	TREE	N34° 42' 17.80"	W112° 02' 51.44"	67.5	3,977.8		TRIM/REMOVE
21472	CONICAL	TREE	N34° 42' 16.11"	W112° 02' 47.97"	53.3	3,963.7		TRIM/REMOVE
21480	CONICAL	TREE	N34° 42' 16.22"	W112° 02' 45.00"	66.5	3,976.8		TRIM/REMOVE
21616	CONICAL	TREE	N34° 42' 10.96"	W112° 02' 54.76"	151.4	4,061.7		TRIM/REMOVE
21624	CONICAL	TREE	N34° 42' 12.19"	W112° 02' 56.89"	126.2	4,036.5		TRIM/REMOVE
21632	CONICAL	TREE	N34° 42' 14.57"	W112° 02' 55.62"	83.0	3,993.3		TRIM/REMOVE
21704	CONICAL	TREE	N34° 42' 20.69"	W112° 03' 09.28"	97.0	4,007.3		TRIM/REMOVE
21712	CONICAL	TREE	N34° 42' 23.42"	W112° 03' 08.92"	91.9	4,002.2		TRIM/REMOVE
21720	CONICAL	TREE	N34° 42' 21.54"	W112° 03' 06.62"	85.3	3,995.6		TRIM/REMOVE
21728	CONICAL	TREE	N34° 42' 19.53"	W112° 03' 04.68"	106.6	4,016.9		TRIM/REMOVE
21736	CONICAL	TREE	N34° 42' 21.32"	W112° 03' 01.05"	90.6	4,000.9		TRIM/REMOVE
21744	CONICAL	TREE	N34° 42' 23.79"	W112° 03' 02.49"	63.4	3,973.7		TRIM/REMOVE
21752	CONICAL	TREE	N34° 42' 24.79"	W112° 03' 04.13"	61.1	3,971.4		TRIM/REMOVE
21760	CONICAL	TREE	N34° 42' 23.66"	W112° 03' 05.18"	72.8	3,983.1		TRIM/REMOVE
21768	CONICAL	TREE	N34° 42' 21.89"	W112° 03' 03.16"	67.0	3,977.3		TRIM/REMOVE
21776	CONICAL	TREE	N34° 42' 26.09"	W112° 03' 01.21"	44.6	3,954.9		TRIM/REMOVE
21784	CONICAL	TREE	N34° 42' 23.95"	W112° 02' 59.83"	43.6	3,953.9		TRIM/REMOVE
21792	CONICAL	TREE	N34° 42' 23.30"	W112° 02' 57.08"	61.1	3,971.4		TRIM/REMOVE
21800	CONICAL	TREE	N34° 42' 25.65"	W112° 02' 58.69"	37.0	3,947.3		TRIM/REMOVE
21808	CONICAL	TREE	N34° 42' 27.40"	W112° 03' 00.59"	49.9	3,960.2		TRIM/REMOVE
21816	CONICAL	TREE	N34° 42' 29.53"	W112° 02' 57.55"	16.4	3,926.7		TRIM/REMOVE
21824	CONICAL	TREE	N34° 42' 27.54"	W112° 02' 56.97"	17.4	3,927.7		TRIM/REMOVE
21840	CONICAL	TREE	N34° 42' 25.24"	W112° 02' 55.95"	24.0	3,934.3		TRIM/REMOVE
21848	CONICAL	TREE	N34° 42' 24.56"	W112° 02' 53.25"	37.0	3,947.3		TRIM/REMOVE
21856	CONICAL	TREE	N34° 42' 26.46"	W112° 02' 52.77"	3.2	3,913.5		TRIM/REMOVE
21864	CONICAL	TREE	N34° 42' 29.15"	W112° 02' 55.59"	14.9	3,925.2		TRIM/REMOVE
21904	CONICAL	TREE	N34° 42' 26.22"	W112° 02' 44.97"	14.1	3,924.4		TRIM/REMOVE
22448	CONICAL	GROUND	N34° 42' 59.88"	W112° 03' 35.61"	107.3	4,017.6		PROVIDE OL
22456	CONICAL	GROUND	N34° 42' 58.98"	W112° 03' 37.74"	111.0	4,021.3		PROVIDE OL
22472	CONICAL	TREE	N34° 43' 01.44"	W112° 03' 32.46"	81.4	3,991.7		TRIM/REMOVE
22488	CONICAL	TREE	N34° 43' 06.20"	W112° 03' 26.07"	21.6	3,931.9		TRIM/REMOVE
22496	CONICAL	TREE	N34° 43' 05.16"	W112° 03' 27.68"	40.0	3,950.3		TRIM/REMOVE
22504	CONICAL	TREE	N34° 43' 03.97"	W112° 03' 30.63"	50.7	3,961.0		TRIM/REMOVE
22512	CONICAL	TREE	N34° 43' 02.99"	W112° 03' 31.67"	57.0	3,967.3		TRIM/REMOVE
22656	CONICAL	TREE	N34° 43' 25.20"	W112° 03' 15.07"	24.2	3,934.5		TRIM/REMOVE
22712	CONICAL	TREE	N34° 43' 35.34"	W112° 03' 35.01"	50.6	3,960.9		TRIM/REMOVE
22720	CONICAL	TREE	N34° 43' 34.80"	W112° 03' 36.54"	61.7	3,972.0		TRIM/REMOVE
22728	CONICAL	TREE	N34° 43' 34.07"	W112° 03' 38.73"	70.1	3,980.4		TRIM/REMOVE
22736	CONICAL	TREE	N34° 43' 33.94"	W112° 03' 40.11"	90.8	4,001.1		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
CONICAL SURFACE PENETRATION GROUP *(CONT.)*								
22744	CONICAL	TREE	N34° 43' 33.74"	W112° 03' 41.72"	119.3	4,029.6		TRIM/REMOVE
22784	CONICAL	TREE	N34° 43' 28.57"	W112° 03' 48.36"	175.3	4,085.6		TRIM/REMOVE
22792	CONICAL	TREE	N34° 43' 27.34"	W112° 03' 50.74"	213.4	4,123.7		TRIM/REMOVE
22800	CONICAL	TREE	N34° 43' 25.63"	W112° 03' 52.12"	247.4	4,157.7		TRIM/REMOVE
22896	CONICAL	TREE	N34° 43' 36.99"	W112° 03' 50.93"	85.8	3,996.1		TRIM/REMOVE
22904	CONICAL	TREE	N34° 43' 35.16"	W112° 03' 54.65"	171.9	4,082.2		TRIM/REMOVE
22920	CONICAL	GROUND	N34° 43' 34.93"	W112° 03' 56.83"	201.5	4,111.8		PROVIDE OL
22928	CONICAL	GROUND	N34° 43' 36.06"	W112° 03' 53.27"	132.2	4,042.5		PROVIDE OL
22936	CONICAL	GROUND	N34° 43' 40.04"	W112° 03' 53.40"	93.8	4,004.1		PROVIDE OL
22944	CONICAL	TREE	N34° 43' 38.06"	W112° 03' 57.39"	136.9	4,047.2		TRIM/REMOVE
22952	CONICAL	TREE	N34° 43' 39.21"	W112° 03' 54.72"	114.2	4,024.5		TRIM/REMOVE
22960	CONICAL	TREE	N34° 43' 40.83"	W112° 03' 49.96"	68.7	3,979.0		TRIM/REMOVE
22968	CONICAL	TREE	N34° 43' 41.23"	W112° 03' 48.11"	36.7	3,947.0		TRIM/REMOVE
22984	CONICAL	TREE	N34° 43' 43.15"	W112° 03' 42.55"	1.8	3,912.1		TRIM/REMOVE
22992	CONICAL	TREE	N34° 43' 42.83"	W112° 03' 44.14"	3.7	3,914.0		TRIM/REMOVE
23016	CONICAL	TREE	N34° 43' 16.63"	W112° 03' 34.96"	56.8	3,967.1		TRIM/REMOVE
23024	CONICAL	TREE	N34° 43' 15.84"	W112° 03' 33.22"	44.0	3,954.3		TRIM/REMOVE
23032	CONICAL	TREE	N34° 43' 16.50"	W112° 03' 31.19"	36.9	3,947.2		TRIM/REMOVE
23040	CONICAL	TREE	N34° 43' 17.22"	W112° 03' 28.68"	8.4	3,918.7		TRIM/REMOVE
23056	CONICAL	TREE	N34° 43' 21.43"	W112° 03' 48.33"	243.5	4,153.8		TRIM/REMOVE
23064	CONICAL	TREE	N34° 43' 18.75"	W112° 03' 44.64"	208.5	4,118.8		TRIM/REMOVE
23072	CONICAL	TREE	N34° 43' 22.08"	W112° 03' 40.35"	149.4	4,059.7		TRIM/REMOVE
23080	CONICAL	TREE	N34° 43' 23.45"	W112° 03' 38.36"	103.9	4,014.2		TRIM/REMOVE
23088	CONICAL	TREE	N34° 43' 24.01"	W112° 03' 35.24"	84.2	3,994.5		TRIM/REMOVE
23096	CONICAL	TREE	N34° 43' 24.42"	W112° 03' 33.24"	73.6	3,983.9		TRIM/REMOVE
23104	CONICAL	TREE	N34° 43' 23.95"	W112° 03' 31.42"	71.5	3,981.8		TRIM/REMOVE
23112	CONICAL	TREE	N34° 43' 23.86"	W112° 03' 30.13"	56.6	3,966.9		TRIM/REMOVE
23152	CONICAL	TREE	N34° 43' 19.19"	W112° 03' 36.80"	107.0	4,017.3		TRIM/REMOVE
23160	CONICAL	TREE	N34° 43' 21.00"	W112° 03' 38.34"	105.8	4,016.1		TRIM/REMOVE
23168	CONICAL	TREE	N34° 43' 14.41"	W112° 03' 45.16"	130.6	4,040.9		TRIM/REMOVE
23176	CONICAL	TREE	N34° 43' 12.58"	W112° 03' 43.57"	103.1	4,013.4		TRIM/REMOVE
23184	CONICAL	TREE	N34° 43' 12.00"	W112° 03' 40.95"	71.4	3,981.7		TRIM/REMOVE
23192	CONICAL	TREE	N34° 43' 12.46"	W112° 03' 38.27"	51.7	3,962.0		TRIM/REMOVE
23248	CONICAL	TREE	N34° 43' 08.41"	W112° 03' 34.59"	13.3	3,923.6		TRIM/REMOVE
23256	CONICAL	TREE	N34° 43' 07.87"	W112° 03' 36.52"	23.6	3,933.9		TRIM/REMOVE
23264	CONICAL	TREE	N34° 43' 05.96"	W112° 03' 36.99"	50.4	3,960.7		TRIM/REMOVE
23272	CONICAL	TREE	N34° 43' 06.36"	W112° 03' 35.18"	34.9	3,945.2		TRIM/REMOVE
23280	CONICAL	TREE	N34° 43' 07.06"	W112° 03' 32.66"	4.3	3,914.6		TRIM/REMOVE
24424	CONICAL	GROUND	N34° 43' 03.20"	W112° 03' 29.01"	43.9	3,954.2		PROVIDE OL
24432	CONICAL	TREE	N34° 43' 05.09"	W112° 03' 29.41"	42.2	3,952.5		TRIM/REMOVE
24440	CONICAL	TREE	N34° 43' 04.37"	W112° 03' 32.79"	13.3	3,923.6		TRIM/REMOVE
24448	CONICAL	TREE	N34° 43' 02.90"	W112° 03' 35.24"	27.5	3,937.8		TRIM/REMOVE
24456	CONICAL	TREE	N34° 43' 02.31"	W112° 03' 36.81"	33.8	3,944.1		TRIM/REMOVE
24464	CONICAL	TREE	N34° 43' 03.89"	W112° 03' 38.39"	48.0	3,958.3		TRIM/REMOVE
24472	CONICAL	TREE	N34° 43' 04.78"	W112° 03' 39.33"	68.7	3,979.0		TRIM/REMOVE
24864	CONICAL	TREE	N34° 43' 19.08"	W112° 03' 48.57"	206.4	4,116.7		TRIM/REMOVE
24872	CONICAL	TREE	N34° 43' 16.45"	W112° 03' 47.41"	134.1	4,044.4		TRIM/REMOVE
24888	CONICAL	TREE	N34° 43' 08.74"	W112° 03' 43.20"	33.2	3,943.5		TRIM/REMOVE
24896	CONICAL	TREE	N34° 43' 05.81"	W112° 03' 41.23"	44.9	3,955.2		TRIM/REMOVE
24904	CONICAL	TREE	N34° 43' 07.36"	W112° 03' 39.56"	33.8	3,944.1		TRIM/REMOVE
24912	CONICAL	TREE	N34° 43' 09.76"	W112° 03' 41.04"	30.4	3,940.7		TRIM/REMOVE
24920	CONICAL	TREE	N34° 43' 10.13"	W112° 03' 37.39"	6.2	3,916.5		TRIM/REMOVE
24928	CONICAL	TREE	N34° 43' 11.51"	W112° 03' 34.52"	3.5	3,913.8		TRIM/REMOVE
24936	CONICAL	TREE	N34° 43' 13.12"	W112° 03' 36.13"	19.3	3,929.6		TRIM/REMOVE
24944	CONICAL	TREE	N34° 43' 14.75"	W112° 03' 37.88"	33.0	3,943.3		TRIM/REMOVE
24952	CONICAL	TREE	N34° 43' 16.84"	W112° 03' 39.59"	74.2	3,984.5		TRIM/REMOVE
24960	CONICAL	TREE	N34° 43' 18.61"	W112° 03' 40.68"	103.1	4,013.4		TRIM/REMOVE
24968	CONICAL	TREE	N34° 43' 20.01"	W112° 03' 42.59"	149.7	4,060.0		TRIM/REMOVE
24976	CONICAL	TREE	N34° 43' 21.72"	W112° 03' 43.35"	146.2	4,056.5		TRIM/REMOVE
24984	CONICAL	TREE	N34° 43' 16.76"	W112° 03' 43.37"	141.9	4,052.2		TRIM/REMOVE
24992	CONICAL	TREE	N34° 43' 14.44"	W112° 03' 40.70"	62.9	3,973.2		TRIM/REMOVE
25000	CONICAL	TREE	N34° 43' 17.45"	W112° 03' 41.84"	125.3	4,035.6		TRIM/REMOVE
25008	CONICAL	TREE	N34° 43' 16.91"	W112° 03' 45.40"	150.3	4,060.6		TRIM/REMOVE
25016	CONICAL	TREE	N34° 43' 22.69"	W112° 03' 45.56"	163.8	4,074.1		TRIM/REMOVE
25024	CONICAL	TREE	N34° 43' 24.65"	W112° 03' 45.77"	150.7	4,061.0		TRIM/REMOVE
25032	CONICAL	TREE	N34° 43' 23.88"	W112° 03' 48.56"	178.0	4,088.3		TRIM/REMOVE
25048	CONICAL	TREE	N34° 43' 26.20"	W112° 03' 49.01"	167.5	4,077.8		TRIM/REMOVE
25056	CONICAL	TREE	N34° 43' 27.64"	W112° 03' 46.22"	108.7	4,019.0		TRIM/REMOVE
25064	CONICAL	TREE	N34° 43' 27.78"	W112° 03' 43.56"	37.7	3,948.0		TRIM/REMOVE
25072	CONICAL	TREE	N34° 43' 26.40"	W112° 03' 41.73"	94.7	4,005.0		TRIM/REMOVE
25080	CONICAL	TREE	N34° 43' 27.59"	W112° 03' 39.16"	61.1	3,971.4		TRIM/REMOVE
25088	CONICAL	TREE	N34° 43' 28.85"	W112° 03' 36.80"	25.6	3,935.9		TRIM/REMOVE
25632	CONICAL	TREE	N34° 43' 38.55"	W112° 03' 50.49"	23.2	3,933.5		TRIM/REMOVE
25784	CONICAL	TREE	N34° 43' 32.01"	W112° 03' 37.77"	12.9	3,923.2		TRIM/REMOVE
25792	CONICAL	TREE	N34° 43' 31.51"	W112° 03' 39.56"	29.1	3,939.4		TRIM/REMOVE
25800	CONICAL	TREE	N34° 43' 30.30"	W112° 03' 41.38"	28.7	3,939.0		TRIM/REMOVE
25808	CONICAL	TREE	N34° 43' 35.76"	W112° 03' 40.27"	44.7	3,955.0		TRIM/REMOVE
25816	CONICAL	TREE	N34° 43' 37.33"	W112° 03' 41.33"	19.3	3,929.6		TRIM/REMOVE
25824	CONICAL	TREE	N34° 43' 36.33"	W112° 03' 43.07"	38.6	3,948.9		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
CONICAL SURFACE PENETRATION GROUP *(CONT.)*								
25832	CONICAL	TREE	N34° 43' 35.51"	W112° 03' 45.48"	3.3	3,913.6		TRIM/REMOVE
25840	CONICAL	TREE	N34° 43' 36.58"	W112° 03' 48.15"	10.7	3,921.0		TRIM/REMOVE
25848	CONICAL	TREE	N34° 43' 30.17"	W112° 03' 53.88"	78.9	3,989.2		TRIM/REMOVE
25952	CONICAL	GROUND	N34° 43' 32.76"	W112° 03' 54.08"	102.5	4,012.8		PROVIDE OL
25960	CONICAL	GROUND	N34° 43' 33.61"	W112° 03' 51.95"	55.0	3,965.3		PROVIDE OL
26096	CONICAL	TREE	N34° 43' 46.30"	W112° 04' 01.67"	80.2	3,990.5		TRIM/REMOVE
26104	CONICAL	TREE	N34° 43' 44.45"	W112° 04' 00.37"	76.3	3,986.6		TRIM/REMOVE
26200	CONICAL	TREE	N34° 43' 41.49"	W112° 03' 59.50"	23.6	3,933.9		TRIM/REMOVE
26208	CONICAL	TREE	N34° 43' 42.59"	W112° 03' 56.04"	20.3	3,930.6		TRIM/REMOVE
26216	CONICAL	TREE	N34° 43' 40.45"	W112° 03' 56.07"	80.2	3,990.5		TRIM/REMOVE
26224	CONICAL	TREE	N34° 43' 44.60"	W112° 03' 57.95"	9.6	3,919.9		TRIM/REMOVE
26232	CONICAL	TREE	N34° 43' 48.10"	W112° 03' 58.81"	22.6	3,932.9		TRIM/REMOVE
26240	CONICAL	TREE	N34° 43' 47.23"	W112° 03' 56.41"	3.7	3,914.0		TRIM/REMOVE
26264	CONICAL	TREE	N34° 43' 42.60"	W112° 03' 51.03"	21.5	3,931.8		TRIM/REMOVE
26272	CONICAL	TREE	N34° 43' 42.95"	W112° 03' 53.61"	10.7	3,921.0		TRIM/REMOVE
26280	CONICAL	TREE	N34° 43' 41.13"	W112° 03' 52.18"	77.5	3,987.8		TRIM/REMOVE
26400	CONICAL	TREE	N34° 43' 43.25"	W112° 04' 01.18"	90.0	4,000.3		TRIM/REMOVE
26408	CONICAL	TREE	N34° 43' 46.38"	W112° 03' 59.04"	32.6	3,942.9		TRIM/REMOVE
26416	CONICAL	TREE	N34° 43' 48.14"	W112° 04' 02.11"	60.1	3,970.4		TRIM/REMOVE
26464	CONICAL	TREE	N34° 43' 37.34"	W112° 03' 55.03"	119.9	4,030.2		TRIM/REMOVE
26472	CONICAL	TREE	N34° 43' 41.76"	W112° 03' 57.83"	27.5	3,937.8		TRIM/REMOVE
26480	CONICAL	TREE	N34° 43' 39.69"	W112° 03' 59.26"	69.5	3,979.8		TRIM/REMOVE
26488	CONICAL	TREE	N34° 43' 38.26"	W112° 03' 52.59"	64.0	3,974.3		TRIM/REMOVE
26496	CONICAL	TREE	N34° 43' 31.41"	W112° 03' 49.70"	73.0	3,983.3		TRIM/REMOVE
26504	CONICAL	TREE	N34° 43' 30.55"	W112° 03' 51.26"	93.7	4,004.0		TRIM/REMOVE
26512	CONICAL	TREE	N34° 43' 33.90"	W112° 03' 49.28"	0.4	3,910.7		TRIM/REMOVE
26520	CONICAL	TREE	N34° 43' 33.25"	W112° 03' 46.63"	46.1	3,956.4		TRIM/REMOVE
26688	CONICAL	TREE	N34° 43' 26.60"	W112° 03' 30.29"	3.1	3,913.4		TRIM/REMOVE
26704	CONICAL	TREE	N34° 43' 25.82"	W112° 03' 37.08"	2.7	3,913.0		TRIM/REMOVE
26712	CONICAL	TREE	N34° 43' 25.35"	W112° 03' 39.50"	18.3	3,928.6		TRIM/REMOVE
26720	CONICAL	TREE	N34° 43' 24.53"	W112° 03' 41.53"	59.7	3,970.0		TRIM/REMOVE
26728	CONICAL	TREE	N34° 43' 23.91"	W112° 03' 43.67"	109.7	4,020.0		TRIM/REMOVE
26736	CONICAL	TREE	N34° 43' 25.54"	W112° 03' 43.27"	111.1	4,021.4		TRIM/REMOVE
26744	CONICAL	TREE	N34° 43' 19.78"	W112° 03' 34.25"	63.8	3,974.1		TRIM/REMOVE
26752	CONICAL	TREE	N34° 43' 20.20"	W112° 03' 32.09"	27.7	3,938.0		TRIM/REMOVE
26768	CONICAL	TREE	N34° 43' 21.97"	W112° 03' 31.23"	9.7	3,920.0		TRIM/REMOVE
26776	CONICAL	TREE	N34° 43' 22.09"	W112° 03' 36.21"	64.8	3,975.1		TRIM/REMOVE
26784	CONICAL	TREE	N34° 43' 22.02"	W112° 03' 33.83"	31.0	3,941.3		TRIM/REMOVE
27088	CONICAL	TREE	N34° 42' 50.17"	W112° 03' 32.54"	108.1	4,018.4		TRIM/REMOVE
27096	CONICAL	TREE	N34° 42' 51.22"	W112° 03' 31.02"	86.1	3,996.4		TRIM/REMOVE
27104	CONICAL	TREE	N34° 42' 51.02"	W112° 03' 29.58"	82.6	3,992.9		TRIM/REMOVE
27112	CONICAL	TREE	N34° 42' 51.29"	W112° 03' 27.91"	67.9	3,978.2		TRIM/REMOVE
27120	CONICAL	TREE	N34° 42' 52.42"	W112° 03' 26.32"	50.0	3,960.3		TRIM/REMOVE
27128	CONICAL	TREE	N34° 42' 53.91"	W112° 03' 24.38"	29.5	3,939.8		TRIM/REMOVE
27136	CONICAL	TREE	N34° 42' 55.78"	W112° 03' 23.56"	11.9	3,922.2		TRIM/REMOVE
27184	CONICAL	TREE	N34° 42' 59.44"	W112° 03' 27.44"	3.7	3,914.0		TRIM/REMOVE
27192	CONICAL	GROUND	N34° 42' 58.56"	W112° 03' 29.81"	14.8	3,925.1		PROVIDE OL
27200	CONICAL	GROUND	N34° 42' 57.23"	W112° 03' 31.81"	49.6	3,959.9		PROVIDE OL
27208	CONICAL	GROUND	N34° 42' 56.99"	W112° 03' 29.54"	38.2	3,948.5		PROVIDE OL
27216	CONICAL	GROUND	N34° 42' 59.14"	W112° 03' 32.95"	37.1	3,947.4		PROVIDE OL
27224	CONICAL	GROUND	N34° 43' 00.25"	W112° 03' 30.89"	17.0	3,927.3		PROVIDE OL
27232	CONICAL	GROUND	N34° 43' 01.26"	W112° 03' 28.72"	2.3	3,912.6		PROVIDE OL
27240	CONICAL	TREE	N34° 42' 57.87"	W112° 03' 34.08"	92.5	4,002.8		TRIM/REMOVE
27248	CONICAL	TREE	N34° 42' 56.23"	W112° 03' 35.98"	101.9	4,012.2		TRIM/REMOVE
27256	CONICAL	TREE	N34° 42' 55.49"	W112° 03' 32.75"	63.0	3,973.3		TRIM/REMOVE
27264	CONICAL	TREE	N34° 42' 53.70"	W112° 03' 34.85"	124.3	4,034.6		TRIM/REMOVE
27272	CONICAL	TREE	N34° 42' 53.28"	W112° 03' 32.45"	64.8	3,975.1		TRIM/REMOVE
27280	CONICAL	TREE	N34° 42' 53.80"	W112° 03' 29.59"	48.8	3,959.1		TRIM/REMOVE
27288	CONICAL	TREE	N34° 42' 55.01"	W112° 03' 27.69"	32.8	3,943.1		TRIM/REMOVE
27296	CONICAL	TREE	N34° 42' 55.15"	W112° 03' 25.62"	19.9	3,930.2		TRIM/REMOVE
27304	CONICAL	TREE	N34° 42' 57.18"	W112° 03' 26.85"	17.0	3,927.3		TRIM/REMOVE
27544	CONICAL	TREE	N34° 42' 41.32"	W112° 03' 27.83"	151.5	4,061.8		TRIM/REMOVE
27696	CONICAL	TREE	N34° 42' 28.88"	W112° 03' 16.06"	163.0	4,073.3		TRIM/REMOVE
27704	CONICAL	TREE	N34° 42' 29.68"	W112° 03' 14.07"	120.8	4,031.1		TRIM/REMOVE
27712	CONICAL	TREE	N34° 42' 30.62"	W112° 03' 12.23"	77.3	3,987.6		TRIM/REMOVE
27720	CONICAL	TREE	N34° 42' 31.56"	W112° 03' 09.06"	55.0	3,965.3		TRIM/REMOVE
27728	CONICAL	TREE	N34° 42' 32.07"	W112° 03' 07.07"	42.3	3,952.6		TRIM/REMOVE
27736	CONICAL	TREE	N34° 42' 32.57"	W112° 03' 05.58"	32.0	3,942.3		TRIM/REMOVE
27744	CONICAL	TREE	N34° 42' 33.64"	W112° 03' 07.12"	35.7	3,946.0		TRIM/REMOVE
27752	CONICAL	TREE	N34° 42' 36.06"	W112° 03' 07.94"	35.9	3,946.2		TRIM/REMOVE
27760	CONICAL	TREE	N34° 42' 37.88"	W112° 03' 09.67"	41.2	3,951.5		TRIM/REMOVE
27768	CONICAL	TREE	N34° 42' 36.73"	W112° 03' 14.73"	84.7	3,995.0		TRIM/REMOVE
27776	CONICAL	TREE	N34° 42' 36.18"	W112° 03' 17.01"	101.7	4,012.0		TRIM/REMOVE
27784	CONICAL	TREE	N34° 42' 36.18"	W112° 03' 19.91"	122.4	4,032.7		TRIM/REMOVE
27792	CONICAL	TREE	N34° 42' 35.10"	W112° 03' 22.43"	142.5	4,052.8		TRIM/REMOVE
27800	CONICAL	TREE	N34° 42' 33.13"	W112° 03' 20.78"	132.7	4,043.0		TRIM/REMOVE
27808	CONICAL	TREE	N34° 42' 32.81"	W112° 03' 18.09"	113.2	4,023.5		TRIM/REMOVE
27816	CONICAL	TREE	N34° 42' 33.54"	W112° 03' 16.59"	101.1	4,011.4		TRIM/REMOVE
27824	CONICAL	TREE	N34° 42' 34.07"	W112° 03' 13.25"	80.8	3,991.1		TRIM/REMOVE

NOTES

1. SURVEY PERFORMED JULY 2020.
2. PART 77 SURFACES BASED ON 14 CFR PART 77.
3. PART 77 APPROACH SURFACES SHOWN ON SHEET 34 - INNER PORTION OF THE APPROACH SURFACE DRAWING; PART 77 APPROACH SURFACE OBSTRUCTIONS LISTED ON SHEETS 35-36.
4. TRAVERSEWAY ELEVATIONS INCLUDE THE FOLLOWING ADJUSTMENTS: PRIVATE ROADS: 10', PUBLIC ROADS: 15'. NO INTERSTATE HIGHWAYS OR RAILROADS ARE LOCATED IN THE IMMEDIATE VICINITY OF THE AIRPORT.
5. SURVEY IDENTIFIED A TOTAL OF 6,298 OBSTRUCTIONS TO PART 77 SURFACES, NOT INCLUDING PART 77 APPROACH SURFACES. OBSTRUCTIONS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT TOP 2% OF PENETRATIONS TO EACH PART 77 SURFACE.
6. OBSTRUCTION GROUPS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT APPROXIMATE LOCATION OF ALL OBSTRUCTIONS. COMPREHENSIVE LISTS OF OBSTRUCTIONS TO EACH PART 77 SURFACE, NOT INCLUDING PART 77 APPROACH SURFACES, ARE INCLUDED ON SHEETS 7-33.
7. OBSTRUCTION DESCRIPTIONS ARE GROUPED IN THE SUMMARY TABLE ON SHEET 6 - AIRPORT AIRSPACE DRAWING PER THE FOLLOWING: VEGETATION = BUSH, SCRUB, TREE; GROUND = GROUND; BUILDINGS/HANGARS = BUILDING, HANGAR; POLES/TOWERS = ANTENNA, BEACON, POLE, POLE_LIGHT, POLE_UTIL, POST, TRANSMISSION_PYLON, VERTICAL_POINT; NAVAIDS = PAPI, PAPI_CONTROL_BOX, REIL, SIGN, WINDSOCK; GROUND TRANSPORTATION = PARKING_LOT, ROAD - PRIVATE, ROAD - PUBLIC, STREET SIGN; UTILITY INFRASTRUCTURE = A/G PIPE, DAM, ELEC_BOX, MISC_UTIL, SOLAR_PANELS, TANK, TRANSFORMER; FENCE = FENCE, GATE; OTHER = CANOPY, DIRT_PILE, WALL
8. ALL HEIGHTS SHOWN IN FEET.
9. OBSTRUCTION HEIGHT ABOVE GROUND LEVEL PROVIDED WHERE AVAILABLE.
10. DEFINITIONS: PEN = PENETRATION; MSL = MEAN SEA LEVEL; AGL = ABOVE GROUND LEVEL; OL = OBSTRUCTION LIGHTING; DNH = DETERMINATION OF NO HAZARD

NO.	DATE	REVISIONS	BY	APPR.
5				
4				
3				
2				
1				

Kimley»Horn

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COTTONWOOD MUNICIPAL AIRPORT
COTTONWOOD, AZ

AIRPORT AIRSPACE DRAWING - PART 77 SURFACE PENETRATION TABLES (19 OF 27)

JOB NO. 291447000	DRAWN KH	CHECKED CBW	SHEET 25 OF 40
DATE: DECEMBER 2022	DESIGNED JTC	APPROVED CBW	

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
CONICAL SURFACE PENETRATION GROUP *(CONT.)*								
27832	CONICAL	TREE	N34° 42' 34.43"	W112° 03' 11.50"	64.4	3,974.7		TRIM/REMOVE
27840	CONICAL	TREE	N34° 42' 32.33"	W112° 03' 13.26"	78.5	3,988.8		TRIM/REMOVE
27848	CONICAL	TREE	N34° 42' 31.28"	W112° 03' 15.47"	100.9	4,011.2		TRIM/REMOVE
27856	CONICAL	TREE	N34° 42' 30.70"	W112° 03' 17.08"	116.5	4,026.8		TRIM/REMOVE
27936	CONICAL	TREE	N34° 42' 48.10"	W112° 03' 28.87"	76.7	3,987.0		TRIM/REMOVE
27944	CONICAL	TREE	N34° 42' 46.16"	W112° 03' 28.16"	96.8	4,007.1		TRIM/REMOVE
27952	CONICAL	TREE	N34° 42' 44.13"	W112° 03' 27.18"	127.3	4,037.6		TRIM/REMOVE
27960	CONICAL	TREE	N34° 42' 41.95"	W112° 03' 25.41"	127.9	4,038.2		TRIM/REMOVE
27968	CONICAL	TREE	N34° 42' 39.67"	W112° 03' 24.40"	134.7	4,045.0		TRIM/REMOVE
27976	CONICAL	TREE	N34° 42' 36.92"	W112° 03' 23.47"	145.4	4,055.7		TRIM/REMOVE
27984	CONICAL	TREE	N34° 42' 38.46"	W112° 03' 21.68"	126.1	4,036.4		TRIM/REMOVE
27992	CONICAL	TREE	N34° 42' 41.35"	W112° 03' 22.92"	115.8	4,026.1		TRIM/REMOVE
28000	CONICAL	TREE	N34° 42' 43.27"	W112° 03' 24.16"	109.3	4,019.6		TRIM/REMOVE
28008	CONICAL	TREE	N34° 42' 44.79"	W112° 03' 24.88"	105.8	4,016.1		TRIM/REMOVE
28016	CONICAL	GROUND	N34° 42' 46.79"	W112° 03' 26.02"	77.5	3,987.8		PROVIDE OL
28024	CONICAL	GROUND	N34° 42' 48.59"	W112° 03' 27.07"	55.4	3,965.7		PROVIDE OL
28032	CONICAL	TREE	N34° 42' 49.47"	W112° 03' 24.97"	56.6	3,966.9		TRIM/REMOVE
28040	CONICAL	TREE	N34° 42' 47.41"	W112° 03' 23.96"	77.5	3,987.8		TRIM/REMOVE
28048	CONICAL	TREE	N34° 42' 45.57"	W112° 03' 22.90"	87.6	3,997.9		TRIM/REMOVE
28056	CONICAL	TREE	N34° 42' 44.06"	W112° 03' 21.35"	95.8	4,006.1		TRIM/REMOVE
28064	CONICAL	TREE	N34° 42' 41.47"	W112° 03' 20.05"	106.8	4,017.1		TRIM/REMOVE
28072	CONICAL	TREE	N34° 42' 39.21"	W112° 03' 19.04"	108.9	4,019.2		TRIM/REMOVE
28080	CONICAL	TREE	N34° 42' 40.26"	W112° 03' 20.61"	111.5	4,021.8		TRIM/REMOVE
28088	CONICAL	TREE	N34° 42' 51.90"	W112° 03' 23.91"	27.7	3,938.0		TRIM/REMOVE
28096	CONICAL	TREE	N34° 42' 49.46"	W112° 03' 22.08"	49.2	3,959.5		TRIM/REMOVE
28104	CONICAL	TREE	N34° 42' 46.54"	W112° 03' 20.37"	71.2	3,981.5		TRIM/REMOVE
28112	CONICAL	TREE	N34° 42' 44.97"	W112° 03' 19.88"	81.2	3,991.5		TRIM/REMOVE
28120	CONICAL	TREE	N34° 42' 40.46"	W112° 03' 15.06"	71.0	3,981.3		TRIM/REMOVE
28128	CONICAL	TREE	N34° 42' 42.62"	W112° 03' 16.01"	74.2	3,984.5		TRIM/REMOVE
28136	CONICAL	TREE	N34° 42' 48.59"	W112° 03' 17.96"	49.4	3,959.7		TRIM/REMOVE
28144	CONICAL	TREE	N34° 42' 50.96"	W112° 03' 17.07"	27.3	3,937.6		TRIM/REMOVE
28152	CONICAL	TREE	N34° 42' 53.49"	W112° 03' 20.84"	22.4	3,932.7		TRIM/REMOVE
28160	CONICAL	TREE	N34° 42' 54.90"	W112° 03' 19.75"	4.1	3,914.4		TRIM/REMOVE
28224	CONICAL	TREE	N34° 42' 51.55"	W112° 03' 19.60"	26.7	3,937.0		TRIM/REMOVE
28232	CONICAL	TREE	N34° 42' 48.54"	W112° 03' 20.16"	54.6	3,964.9		TRIM/REMOVE
28240	CONICAL	TREE	N34° 42' 52.41"	W112° 03' 22.46"	24.0	3,934.3		TRIM/REMOVE
28248	CONICAL	TREE	N34° 42' 53.23"	W112° 03' 18.79"	16.8	3,927.1		TRIM/REMOVE
28272	CONICAL	TREE	N34° 42' 51.33"	W112° 03' 14.68"	9.5	3,919.8		TRIM/REMOVE
28280	CONICAL	TREE	N34° 42' 49.25"	W112° 03' 15.16"	25.4	3,935.7		TRIM/REMOVE
28288	CONICAL	TREE	N34° 42' 45.59"	W112° 03' 13.60"	32.4	3,942.7		TRIM/REMOVE
28296	CONICAL	TREE	N34° 42' 46.87"	W112° 03' 16.14"	42.0	3,952.3		TRIM/REMOVE
28304	CONICAL	TREE	N34° 42' 44.67"	W112° 03' 17.21"	60.3	3,970.6		TRIM/REMOVE
28312	CONICAL	TREE	N34° 42' 46.74"	W112° 03' 18.47"	54.1	3,964.4		TRIM/REMOVE
28320	CONICAL	TREE	N34° 42' 41.49"	W112° 03' 17.12"	74.2	3,984.5		TRIM/REMOVE
28328	CONICAL	TREE	N34° 42' 38.35"	W112° 03' 17.01"	93.7	4,004.0		TRIM/REMOVE
28336	CONICAL	TREE	N34° 42' 37.94"	W112° 03' 13.21"	68.9	3,979.2		TRIM/REMOVE
28344	CONICAL	TREE	N34° 42' 42.99"	W112° 03' 13.25"	47.0	3,957.3		TRIM/REMOVE
28352	CONICAL	TREE	N34° 42' 40.79"	W112° 03' 12.01"	47.2	3,957.5		TRIM/REMOVE
28368	CONICAL	TREE	N34° 42' 45.69"	W112° 03' 09.36"	10.7	3,921.0		TRIM/REMOVE
28376	CONICAL	TREE	N34° 42' 42.60"	W112° 03' 11.04"	36.3	3,946.6		TRIM/REMOVE
28384	CONICAL	TREE	N34° 42' 42.05"	W112° 03' 08.24"	20.9	3,931.2		TRIM/REMOVE
28392	CONICAL	TREE	N34° 42' 38.36"	W112° 03' 06.54"	20.9	3,931.2		TRIM/REMOVE
28400	CONICAL	TREE	N34° 42' 40.68"	W112° 03' 06.01"	15.0	3,925.3		TRIM/REMOVE
28891	CONICAL	TREE	N34° 42' 27.42"	W112° 03' 15.31"	121.6	4,031.9		TRIM/REMOVE
28907	CONICAL	TREE	N34° 42' 24.99"	W112° 03' 12.20"	95.6	4,005.9		TRIM/REMOVE
28915	CONICAL	TREE	N34° 42' 27.32"	W112° 03' 12.34"	71.4	3,981.7		TRIM/REMOVE
28931	CONICAL	TREE	N34° 42' 27.65"	W112° 03' 10.90"	82.6	3,992.9		TRIM/REMOVE
28939	CONICAL	TREE	N34° 42' 25.35"	W112° 03' 09.58"	81.8	3,992.1		TRIM/REMOVE
28947	CONICAL	TREE	N34° 42' 27.55"	W112° 03' 08.00"	69.3	3,979.6		TRIM/REMOVE
28955	CONICAL	TREE	N34° 42' 29.59"	W112° 03' 08.62"	59.9	3,970.2		TRIM/REMOVE
28971	CONICAL	TREE	N34° 42' 25.75"	W112° 03' 06.71"	68.9	3,979.2		TRIM/REMOVE
28979	CONICAL	TREE	N34° 42' 26.74"	W112° 03' 04.40"	55.2	3,965.5		TRIM/REMOVE
28987	CONICAL	TREE	N34° 42' 28.70"	W112° 03' 06.15"	62.1	3,972.4		TRIM/REMOVE
28995	CONICAL	TREE	N34° 42' 30.58"	W112° 03' 04.44"	44.5	3,954.8		TRIM/REMOVE
29003	CONICAL	TREE	N34° 42' 28.27"	W112° 03' 02.37"	37.7	3,948.0		TRIM/REMOVE
29011	CONICAL	TREE	N34° 42' 29.76"	W112° 03' 00.77"	28.5	3,938.8		TRIM/REMOVE
29019	CONICAL	TREE	N34° 42' 31.86"	W112° 03' 02.26"	24.6	3,934.9		TRIM/REMOVE
29027	CONICAL	TREE	N34° 42' 33.77"	W112° 03' 04.15"	30.2	3,940.5		TRIM/REMOVE
29035	CONICAL	TREE	N34° 42' 36.37"	W112° 03' 04.08"	4.7	3,915.0		TRIM/REMOVE
29043	CONICAL	TREE	N34° 42' 35.93"	W112° 03' 06.35"	10.7	3,921.0		TRIM/REMOVE
29051	CONICAL	TREE	N34° 42' 39.33"	W112° 03' 03.75"	2.1	3,912.4		TRIM/REMOVE
29059	CONICAL	TREE	N34° 42' 37.42"	W112° 03' 03.08"	14.3	3,924.6		TRIM/REMOVE
29083	CONICAL	TREE	N34° 42' 34.34"	W112° 03' 00.88"	17.6	3,927.9		TRIM/REMOVE
29099	CONICAL	TREE	N34° 42' 35.41"	W112° 02' 58.98"	3.8	3,914.1		TRIM/REMOVE
29107	CONICAL	TREE	N34° 42' 33.33"	W112° 02' 57.54"	0.7	3,911.0		TRIM/REMOVE
29115	CONICAL	TREE	N34° 42' 32.63"	W112° 03' 00.26"	18.6	3,928.9		TRIM/REMOVE
29123	CONICAL	TREE	N34° 42' 31.11"	W112° 02' 58.89"	24.9	3,935.2		TRIM/REMOVE
29131	CONICAL	TREE	N34° 42' 31.74"	W112° 02' 57.04"	20.6	3,930.9		TRIM/REMOVE
30331	CONICAL	TREE	N34° 44' 20.45"	W112° 04' 04.30"	152.2	4,062.5		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
CONICAL SURFACE PENETRATION GROUP *(CONT.)*								
30339	CONICAL	GROUND	N34° 44' 19.85"	W112° 04' 01.31"	103.4	4,013.7		PROVIDE OL
30347	CONICAL	TREE	N34° 44' 19.97"	W112° 03' 58.90"	54.6	3,964.9		TRIM/REMOVE
30363	CONICAL	TREE	N34° 44' 24.78"	W112° 04' 04.36"	95.0	4,005.3		TRIM/REMOVE
30371	CONICAL	TREE	N34° 44' 25.32"	W112° 04' 02.66"	73.1	3,983.4		TRIM/REMOVE
30379	CONICAL	TREE	N34° 44' 25.82"	W112° 04' 00.92"	52.0	3,962.3		TRIM/REMOVE
30387	CONICAL	TREE	N34° 44' 25.72"	W112° 03' 58.84"	37.2	3,947.5		TRIM/REMOVE
30395	CONICAL	TREE	N34° 44' 25.92"	W112° 03' 56.74"	19.2	3,929.5		TRIM/REMOVE
30435	CONICAL	TREE	N34° 44' 31.92"	W112° 04' 03.06"	67.4	3,977.7		TRIM/REMOVE
30443	CONICAL	TREE	N34° 44' 31.96"	W112° 04' 00.69"	38.7	3,949.0		TRIM/REMOVE
30451	CONICAL	TREE	N34° 44' 32.27"	W112° 03' 58.98"	22.7	3,933.0		TRIM/REMOVE
30459	CONICAL	TREE	N34° 44' 33.12"	W112° 03' 56.75"	2.8	3,913.1		TRIM/REMOVE
31190	CONICAL	TREE	N34° 43' 50.35"	W112° 04' 03.62"	48.4	3,958.7		TRIM/REMOVE
31206	CONICAL	TREE	N34° 43' 58.84"	W112° 04' 05.26"	88.0	3,998.3		TRIM/REMOVE
31214	CONICAL	TREE	N34° 43' 56.95"	W112° 04' 04.84"	93.6	4,003.9		TRIM/REMOVE
31222	CONICAL	TREE	N34° 43' 55.01"	W112° 04' 03.43"	71.2	3,981.5		TRIM/REMOVE
31230	CONICAL	TREE	N34° 43' 52.58"	W112° 04' 02.50"	36.4	3,946.7		TRIM/REMOVE
31238	CONICAL	TREE	N34° 43' 50.17"	W112° 04' 00.56"	23.8	3,934.1		TRIM/REMOVE
31246	CONICAL	TREE	N34° 43' 59.47"	W112° 04' 03.15"	87.5	3,997.8		TRIM/REMOVE
31254	CONICAL	TREE	N34° 43' 57.04"	W112° 04' 02.26"	32.1	3,942.4		TRIM/REMOVE
31270	CONICAL	TREE	N34° 43' 51.93"	W112° 03' 59.56"	18.7	3,929.0		TRIM/REMOVE
31278	CONICAL	TREE	N34° 43' 50.75"	W112° 03' 58.50"	7.1	3,917.4		TRIM/REMOVE
31286	CONICAL	TREE	N34° 43' 49.16"	W112° 03' 57.48"	4.5	3,914.8		TRIM/REMOVE
31310	CONICAL	TREE	N34° 43' 53.35"	W112° 03' 57.47"	11.2	3,921.5		TRIM/REMOVE
31318	CONICAL	TREE	N34° 43' 55.59"	W112° 03' 58.37"	7.7	3,918.0		TRIM/REMOVE
31326	CONICAL	TREE	N34° 43' 56.48"	W112° 03' 59.60"	10.7	3,921.0		TRIM/REMOVE
31334	CONICAL	TREE	N34° 43' 59.54"	W112° 04' 00.99"	65.9	3,976.2		TRIM/REMOVE
31630	CONICAL	TANK	N34° 44' 08.24"	W112° 04' 04.59"	8.4	3,918.7	35.9	PROVIDE OL
31758	CONICAL	TREE	N34° 44' 01.34"	W112° 04' 04.33"	25.2	3,935.5		TRIM/REMOVE
31766	CONICAL	POLE_UTIL	N34° 44' 03.12"	W112° 04' 01.84"	7.8	3,918.1	29.5	REMOVE/LOWER/PROVIDE OL
32614	CONICAL	TREE	N34° 44' 06.19"	W112° 04' 04.62"	4.3	3,914.6		TRIM/REMOVE
32630	CONICAL	TREE	N34° 44' 03.54"	W112° 04' 04.17"	1.5	3,911.8		TRIM/REMOVE
33486	CONICAL	TREE	N34° 44' 12.10"	W112° 04' 04.09"	4.9	3,915.2		TRIM/REMOVE
33574	CONICAL	TREE	N34° 44' 17.45"	W112° 04' 02.99"	52.6	3,962.9		TRIM/REMOVE
33582	CONICAL	TREE	N34° 44' 18.60"	W112° 04' 05.36"	70.5	3,980.8		TRIM/REMOVE
33598	CONICAL	TREE	N34° 44' 22.41"	W112° 04' 02.30"	33.2	3,943.5		TRIM/REMOVE
33606	CONICAL	TREE	N34° 44' 23.10"	W112° 04' 05.22"	94.9	4,005.2		TRIM/REMOVE
33662	CONICAL	TREE	N34° 44' 28.05"	W112° 04' 03.50"	13.9	3,924.2		TRIM/REMOVE
33694	CONICAL	TREE	N34° 44' 22.42"	W112° 04' 00.38"	0.6	3,910.9		TRIM/REMOVE
35158	CONICAL	TREE	N34° 44' 33.35"	W112° 04' 02.68"	24.9	3,935.2		TRIM/REMOVE
35262	CONICAL	TREE	N34° 44' 18.07"	W112° 04' 00.95"	53.5	3,963.8		TRIM/REMOVE
35286	CONICAL	BUILDING	N34° 44' 00.01"	W112° 03' 59.50"	20.1	3,930.4	19.3	PROVIDE OL
49922	CONICAL	SCRUB	N34° 42' 28.80"	W112° 02' 41.69"	36.2	3,946.5		TRIM/REMOVE
49930	CONICAL	SCRUB	N34° 42' 26.69"	W112° 02' 42.23"	20.0	3,930.3		TRIM/REMOVE
49938	CONICAL	SCRUB	N34° 42' 27.43"	W112° 02' 39.19"	12.2	3,922.5		TRIM/REMOVE
49946	CONICAL	SCRUB	N34° 42' 28.83"	W112° 02' 36.45"	19.3	3,929.6		TRIM/REMOVE
49954	CONICAL	SCRUB	N34° 42' 29.23"	W112° 02' 34.46"	11.8	3,922.1		TRIM/REMOVE
49962	CONICAL	SCRUB	N34° 42' 30.61"	W112° 02' 34.79"	32.9	3,943.2		TRIM/REMOVE
49970	CONICAL	SCRUB	N34° 42' 29.77"	W112° 02' 32.75"	6.0	3,916.3		TRIM/REMOVE
50034	CONICAL	SCRUB	N34° 42' 24.93"	W112° 02' 39.72"	0.8	3,911.1		TRIM/REMOVE
50042	CONICAL	SCRUB	N34° 42' 22.50"	W112° 02' 41.00"	8.2	3,918.5		TRIM/REMOVE
50050	CONICAL	SCRUB	N34° 42' 23.43"	W112° 02' 44.29"	19.5	3,929.8		TRIM/REMOVE
50058	CONICAL	SCRUB	N34° 42' 21.63"	W112° 02' 43.28"	17.9	3,928.2		TRIM/REMOVE
50074	CONICAL	SCRUB	N34° 42' 22.84"	W112° 02' 46.14"	27.6	3,937.9		TRIM/REMOVE
50082	CONICAL	SCRUB	N34° 42' 19.17"	W112° 02' 44.31"	21.2	3,931.5		TRIM/REMOVE
50090	CONICAL	SCRUB	N34° 42' 18.34"	W112° 02' 46.99"	37.6	3,947.9		TRIM/REMOVE
50098	CONICAL	SCRUB	N34° 42' 19.92"	W112° 02' 47.57"	39.7	3,950.0		TRIM/REMOVE
50106	CONICAL	TREE	N34° 42' 22.10"	W112° 02' 49.66"	50.0	3,960.3		TRIM/REMOVE
50114	CONICAL	SCRUB	N34° 42' 23.76"	W112° 02' 49.53"	36.5	3,946.8		TRIM/REMOVE
50122	CONICAL	SCRUB	N34° 42' 19.97"	W112° 02' 49.77"	52.1	3,962.4		TRIM/REMOVE
50138	CONICAL	SCRUB	N34° 42' 18.45"	W112° 02' 49.13"	54.2	3,964.5		TRIM/REMOVE
50147	CONICAL	SCRUB	N34° 42' 12.08"	W112° 02' 51.25"	127.5	4,037.8		TRIM/REMOVE
50155	CONICAL	SCRUB	N34° 42' 14.17"	W112° 02' 51.80"	87.0	3,997.3		TRIM/REMOVE
50163	CONICAL	SCRUB	N34° 42' 14.82"	W112° 02' 50.14"	73.4	3,983.7		TRIM/REMOVE
50171	CONICAL	SCRUB	N34° 42' 16.19"	W112° 02' 50.58"	48.6	3,958.9		TRIM/REMOVE
50179	CONICAL	SCRUB	N34° 42' 11.23"	W112° 02' 53.52"	142.0	4,052.3		TRIM/REMOVE
50187	CONICAL	SCRUB	N34° 42' 13.55"	W112° 02' 54.19"	96.1	4,006.4		TRIM/REMOVE
50211	CONICAL	SCRUB	N34° 42' 17.97"	W112° 02' 59.95"	98.6	4,008.9		TRIM/REMOVE
50219	CONICAL	SCRUB	N34° 42' 19.40"	W112° 03' 01.16"	102.4	4,012.7		TRIM/REMOVE
50227	CONICAL	TREE	N34° 42' 17.02"	W112° 02' 56.26"	90.6	4,000.9		TRIM/REMOVE
50235	CONICAL	TREE	N34° 42' 17.39"	W112° 02' 53.73"	77.2	3,987.5		TRIM/REMOVE
50243	CONICAL	SCRUB	N34° 42' 19.17"	W112° 02' 55.27"	75.7	3,986.0		TRIM/REMOVE
50251	CONICAL	SCRUB	N34° 42' 19.95"	W112° 02' 52.71"	64.4	3,974.7		TRIM/REMOVE
50259	CONICAL	SCRUB	N34° 42' 21.76"	W112° 02' 54.21"	66.8	3,977.1		TRIM/REMOVE
50267	CONICAL	SCRUB	N34° 42' 21.05"	W112° 02' 51.63"	56.6	3,966.9		TRIM/REMOVE
50275	CONICAL	TREE	N34° 42' 22.42"	W112° 02' 52.53"	61.4	3,971.7		TRIM/REMOVE
50283	CONICAL	TREE	N34° 42' 15.00"	W112° 03' 01.77"	118.4	4,028.7		TRIM/REMOVE
50371	CONICAL	SCRUB	N34° 42' 16.28"	W112° 03' 03.29"	116.1	4,026.4		TRIM/REMOVE
50387	CONICAL	SCRUB	N34° 42' 17.94"	W112° 03' 04.62"	120.7	4,031.0		TRIM/REMOVE
50395	CONICAL	SCRUB	N34° 42' 16.74"	W112° 03' 01.85"	111.9	4,022.2		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
CONICAL SURFACE PENETRATION GROUP *(CONT.)*								
50403	CONICAL	SCRUB	N34° 42' 14.92"	W112° 02' 59.84"	105.0	4,015.3		TRIM/REMOVE
50411	CONICAL	TREE	N34° 42' 14.00"	W112° 02' 58.14"	100.0	4,010.3		TRIM/REMOVE
50467	CONICAL	SCRUB	N34° 42' 18.33"	W112° 03' 02.64"	109.5	4,019.8		TRIM/REMOVE
50483	CONICAL	SCRUB	N34° 42' 08.30"	W112° 02' 48.95"	185.3	4,095.6		TRIM/REMOVE
50507	CONICAL	SCRUB	N34° 42' 09.17"	W112° 02' 47.14"	171.6	4,081.9		TRIM/REMOVE
50515	CONICAL	SCRUB	N34° 42' 07.38"	W112° 02' 45.41"	168.7	4,079.0		TRIM/REMOVE
50523	CONICAL	SCRUB	N34° 42' 11.00"	W112° 02' 48.38"	165.6	4,075.9		TRIM/REMOVE
50531	CONICAL	TREE	N34° 42' 07.61"	W112° 02' 43.30"	162.8	4,073.1		TRIM/REMOVE
50539	CONICAL	TREE	N34° 42' 11.05"	W112° 02' 45.26"	165.3	4,075.6		TRIM/REMOVE
50547	CONICAL	TREE	N34° 42' 12.99"	W112° 02' 46.48"	144.8	4,055.1		TRIM/REMOVE
50555	CONICAL	SCRUB	N34° 42' 08.92"	W112° 02' 44.18"	161.9	4,072.2		TRIM/REMOVE
50563	CONICAL	SCRUB	N34° 42' 05.61"	W112° 02' 44.27"	162.2	4,072.5		TRIM/REMOVE
50603	CONICAL	TREE	N34° 42' 01.35"	W112° 02' 30.33"	110.6	4,020.9		TRIM/REMOVE
50643	CONICAL	TREE	N34° 42' 06.31"	W112° 02' 40.97"	147.9	4,058.2		TRIM/REMOVE
50715	CONICAL	TREE	N34° 42' 10.38"	W112° 02' 50.34"	178.8	4,089.1		TRIM/REMOVE
50723	CONICAL	TREE	N34° 42' 13.27"	W112° 02' 50.06"	115.5	4,025.8		TRIM/REMOVE
50731	CONICAL	SCRUB	N34° 42' 10.33"	W112° 02' 39.07"	136.3	4,046.6		TRIM/REMOVE
50747	CONICAL	SCRUB	N34° 42' 18.15"	W112° 02' 40.90"	36.7	3,947.0		TRIM/REMOVE
50763	CONICAL	TREE	N34° 42' 19.55"	W112° 02' 42.72"	16.3	3,926.6		TRIM/REMOVE
50771	CONICAL	SCRUB	N34° 42' 17.10"	W112° 02' 43.32"	47.3	3,957.6		TRIM/REMOVE
50819	CONICAL	TREE	N34° 42' 16.75"	W112° 02' 33.07"	87.0	3,997.3		TRIM/REMOVE
50827	CONICAL	TREE	N34° 42' 13.12"	W112° 02' 35.64"	99.5	4,009.8		TRIM/REMOVE
50835	CONICAL	TREE	N34° 42' 18.29"	W112° 02' 38.16"	53.5	3,963.8		TRIM/REMOVE
50845	CONICAL	SCRUB	N34° 42' 22.09"	W112° 02' 58.95"	76.3	3,986.6		TRIM/REMOVE
50853	CONICAL	TREE	N34° 42' 23.41"	W112° 03' 11.64"	102.5	4,012.8		TRIM/REMOVE
50869	CONICAL	TREE	N34° 42' 24.96"	W112° 03' 07.79"	86.3	3,996.6		TRIM/REMOVE
50877	CONICAL	SCRUB	N34° 42' 29.65"	W112° 03' 10.67"	53.4	3,963.7		TRIM/REMOVE
50885	CONICAL	SCRUB	N34° 42' 31.90"	W112° 03' 11.03"	58.2	3,968.5		TRIM/REMOVE
51281	CONICAL	SCRUB	N34° 43' 32.42"	W112° 03' 55.54"	151.5	4,061.8		TRIM/REMOVE
51305	CONICAL	SCRUB	N34° 43' 28.57"	W112° 03' 48.36"	175.3	4,085.6		TRIM/REMOVE
51313	CONICAL	SCRUB	N34° 43' 30.17"	W112° 03' 46.77"	152.7	4,063.0		TRIM/REMOVE
51321	CONICAL	SCRUB	N34° 43' 31.05"	W112° 03' 45.43"	136.9	4,047.2		TRIM/REMOVE
51329	CONICAL	SCRUB	N34° 43' 31.83"	W112° 03' 44.24"	124.8	4,035.1		TRIM/REMOVE
51337	CONICAL	SCRUB	N34° 43' 32.63"	W112° 03' 43.23"	116.6	4,026.9		TRIM/REMOVE
52305	CONICAL	SCRUB	N34° 44' 30.09"	W112° 04' 01.75"	22.1	3,932.4		TRIM/REMOVE
52546	CONICAL	TREE	N34° 42' 21.33"	W112° 02' 45.36"	34.3	3,944.6		TRIM/REMOVE
52554	CONICAL	TREE	N34° 42' 16.34"	W112° 02' 58.58"	100.4	4,010.7		TRIM/REMOVE
53424	CONICAL	TREE	N34° 44' 21.26"	W112° 03' 58.10"	13.3	3,923.6		TRIM/REMOVE
53432	CONICAL	TREE	N34° 44' 23.92"	W112° 04' 02.83"	54.5	3,964.8		TRIM/REMOVE
53440	CONICAL	SCRUB	N34° 44' 24.11"	W112° 03' 59.59"	5.3	3,915.6		TRIM/REMOVE
53456	CONICAL	TREE	N34° 44' 18.20"	W112° 03' 59.11"	19.6	3,929.9		TRIM/REMOVE
53520	CONICAL	TREE	N34° 44' 00.41"	W112° 04' 02.47"	73.3	3,983.6		TRIM/REMOVE
53696	CONICAL	TREE	N34° 43' 54.50"	W112° 03' 59.44"	24.3	3,934.6		TRIM/REMOVE
53704	CONICAL	TREE	N34° 43' 54.40"	W112° 04' 01.28"	34.3	3,944.6		TRIM/REMOVE
53936	CONICAL	TREE	N34° 43' 29.28"	W112° 03' 50.89"	148.8	4,059.1		TRIM/REMOVE
53944	CONICAL	TREE	N34° 43' 27.10"	W112° 03' 53.13"	191.0	4,101.3		TRIM/REMOVE
53984	CONICAL	TREE	N34° 43' 27.90"	W112° 03' 41.32"	55.6	3,965.9		TRIM/REMOVE
53992	CONICAL	TREE	N34° 43' 29.17"	W112° 03' 44.18"	78.6	3,988.9		TRIM/REMOVE
54000	CONICAL	TREE	N34° 43' 29.09"	W112° 03' 39.23"	18.2	3,928.5		TRIM/REMOVE
54008	CONICAL	TREE	N34° 43' 32.67"	W112° 03' 35.90"	4.2	3,914.5		TRIM/REMOVE
54016	CONICAL	TREE	N34° 43' 33.81"	W112° 03' 33.33"	3.0	3,913.3		TRIM/REMOVE
54024	CONICAL	TREE	N34° 43' 36.78"	W112° 03' 37.05"	8.4	3,918.7		TRIM/REMOVE
54112	CONICAL	TREE	N34° 43' 30.07"	W112° 03' 48.81"	130.7	4,041.0		TRIM/REMOVE
54322	CONICAL	TREE	N34° 43' 14.51"	W112° 03' 31.65"	6.2	3,916.5		TRIM/REMOVE
54362	CONICAL	TREE	N34° 43' 18.24"	W112° 03' 33.19"	38.3	3,948.6		TRIM/REMOVE
54370	CONICAL	TREE	N34° 43' 14.87"	W112° 03' 35.37"	19.8	3,930.1		TRIM/REMOVE
54378	CONICAL	TREE	N34° 43' 17.45"	W112° 03' 37.52"	70.8	3,981.1		TRIM/REMOVE
54386	CONICAL	TREE	N34° 43' 18.78"	W112° 03' 39.06"	79.7	3,990.0		TRIM/REMOVE
54394	CONICAL	TREE	N34° 43' 20.03"	W112° 03' 41.03"	127.7	4,038.0		TRIM/REMOVE
54402	CONICAL	SCRUB	N34° 43' 15.07"	W112° 03' 43.39"	100.7	4,011.0		TRIM/REMOVE
54410	CONICAL	SCRUB	N34° 43' 19.96"	W112° 03' 46.56"	206.2	4,116.5		TRIM/REMOVE
54484	CONICAL	TREE	N34° 43' 10.78"	W112° 03' 42.94"	77.1	3,987.4		TRIM/REMOVE
54492	CONICAL	TREE	N34° 43' 10.72"	W112° 03' 39.18"	44.2	3,954.5		TRIM/REMOVE
54500	CONICAL	TREE	N34° 43' 09.04"	W112° 03' 39.70"	12.3	3,922.6		TRIM/REMOVE
54508	CONICAL	TREE	N34° 43' 07.51"	W112° 03' 42.19"	48.6	3,959.0		TRIM/REMOVE
54564	CONICAL	TREE	N34° 43' 00.51"	W112° 03' 37.29"	58.7	3,969.0		TRIM/REMOVE
54596	CONICAL	TREE	N34° 43' 04.27"	W112° 03' 36.15"	32.9	3,943.2		TRIM/REMOVE
54764	CONICAL	TREE	N34° 42' 53.10"	W112° 03' 15.83"	1.3	3,911.6		TRIM/REMOVE
54772	CONICAL	TREE	N34° 42' 52.45"	W112° 03' 29.18"	53.0	3,963.3		TRIM/REMOVE
54780	CONICAL	TREE	N34° 42' 49.28"	W112° 03' 30.07"	75.0	3,985.3		TRIM/REMOVE
54788	CONICAL	TREE	N34° 42' 48.76"	W112° 03' 31.75"	89.5	3,999.8		TRIM/REMOVE
54796	CONICAL	TREE	N34° 42' 47.25"	W112° 03' 30.06"	102.6	4,012.9		TRIM/REMOVE
54820	CONICAL	TREE	N34° 42' 57.92"	W112° 03' 36.75"	93.7	4,004.0		TRIM/REMOVE
54876	CONICAL	SCRUB	N34° 42' 50.07"	W112° 03' 19.34"	35.6	3,945.9		TRIM/REMOVE
54884	CONICAL	TREE	N34° 42' 50.33"	W112° 03' 12.92"	7.8	3,918.1		TRIM/REMOVE
54996	CONICAL	SCRUB	N34° 42' 31.30"	W112° 02' 32.67"	14.2	3,924.5		TRIM/REMOVE
55020	CONICAL	SCRUB	N34° 42' 23.70"	W112° 02' 55.01"	58.2	3,968.5		TRIM/REMOVE
55028	CONICAL	SCRUB	N34° 42' 14.99"	W112° 02' 46.69"	82.3	3,992.6		TRIM/REMOVE
55084	CONICAL	TREE	N34° 42' 02.07"	W112° 02' 23.56"	65.0	3,975.3		TRIM/REMOVE

NOTES

1. SURVEY PERFORMED JULY 2020.
2. PART 77 SURFACES BASED ON 14 CFR PART 77.
3. PART 77 APPROACH SURFACES SHOWN ON SHEET 34 - INNER PORTION OF THE APPROACH SURFACE DRAWING; PART 77 APPROACH SURFACE OBSTRUCTIONS LISTED ON SHEETS 35-36.
4. TRAVERSEWAY ELEVATIONS INCLUDE THE FOLLOWING ADJUSTMENTS: PRIVATE ROADS: 10', PUBLIC ROADS: 15'. NO INTERSTATE HIGHWAYS OR RAILROADS ARE LOCATED IN THE IMMEDIATE VICINITY OF THE AIRPORT.
5. SURVEY IDENTIFIED A TOTAL OF 6,298 OBSTRUCTIONS TO PART 77 SURFACES, NOT INCLUDING PART 77 APPROACH SURFACES. OBSTRUCTIONS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT TOP 2% OF PENETRATIONS TO EACH PART 77 SURFACE.
6. OBSTRUCTION GROUPS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT APPROXIMATE LOCATION OF ALL OBSTRUCTIONS. COMPREHENSIVE LISTS OF OBSTRUCTIONS TO EACH PART 77 SURFACE, NOT INCLUDING PART 77 APPROACH SURFACES, ARE INCLUDED ON SHEETS 7-33.
7. OBSTRUCTION DESCRIPTIONS ARE GROUPED IN THE SUMMARY TABLE ON SHEET 6 - AIRPORT AIRSPACE DRAWING PER THE FOLLOWING: VEGETATION = BUSH, SCRUB, TREE; GROUND = GROUND; BUILDINGS/HANGARS = BUILDING, HANGAR; POLES/TOWERS = ANTENNA, BEACON, POLE, POLE_LIGHT, POLE_UTIL, POST, TRANSMISSION_PYLON, VERTICAL_POINT; NAVAIDS = PAPI, PAPI_CONTROL_BOX, REIL, SIGN, WINDSOCK; GROUND TRANSPORTATION = PARKING_LOT, ROAD - PRIVATE, ROAD - PUBLIC, STREET SIGN; UTILITY INFRASTRUCTURE = A/G PIPE, DAM, ELEC_BOX, MISC_UTIL, SOLAR_PANELS, TANK, TRANSFORMER; FENCE = FENCE, GATE; OTHER = CANOPY, DIRT_PILE, WALL
8. ALL HEIGHTS SHOWN IN FEET.
9. OBSTRUCTION HEIGHT ABOVE GROUND LEVEL PROVIDED WHERE AVAILABLE.
10. DEFINITIONS: PEN = PENETRATION; MSL = MEAN SEA LEVEL; AGL = ABOVE GROUND LEVEL; OL = OBSTRUCTION LIGHTING; DNH = DETERMINATION OF NO HAZARD

NO.	DATE	REVISIONS	BY	APPR.
5				
4				
3				
2				
1				

Kimley»Horn

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COTTONWOOD MUNICIPAL AIRPORT
COTTONWOOD, AZ

AIRPORT AIRSPACE DRAWING - PART 77 SURFACE PENETRATION TABLES (20 OF 27)

JOB NO. 291447000	DRAWN KH	CHECKED CBW	
DATE: DECEMBER 2022	DESIGNED JTC	APPROVED CBW	SHEET 26 OF 40

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
CONICAL SURFACE PENETRATION GROUP *(CONT.)*								
55092	CONICAL	TREE	N34° 42' 02.15"	W112° 02' 26.55"	90.1	4,000.4		TRIM/REMOVE
55100	CONICAL	TREE	N34° 41' 59.10"	W112° 02' 25.68"	56.1	3,966.4		TRIM/REMOVE
55181	CONICAL	TREE	N34° 42' 31.12"	W112° 02' 55.76"	5.9	3,916.2		TRIM/REMOVE
55189	CONICAL	TREE	N34° 42' 28.05"	W112° 02' 54.13"	10.4	3,920.7		TRIM/REMOVE
55197	CONICAL	TREE	N34° 42' 26.47"	W112° 02' 55.31"	18.9	3,929.2		TRIM/REMOVE
55205	CONICAL	TREE	N34° 42' 28.35"	W112° 02' 58.88"	24.7	3,935.0		TRIM/REMOVE
55221	CONICAL	TREE	N34° 42' 31.53"	W112° 03' 19.83"	127.0	4,037.3		TRIM/REMOVE
55237	CONICAL	TREE	N34° 42' 34.32"	W112° 03' 19.14"	116.7	4,027.0		TRIM/REMOVE
55245	CONICAL	TREE	N34° 42' 34.58"	W112° 03' 15.82"	95.1	4,005.4		TRIM/REMOVE
55253	CONICAL	TREE	N34° 42' 36.31"	W112° 03' 12.91"	66.6	3,976.9		TRIM/REMOVE
55261	CONICAL	TREE	N34° 42' 36.50"	W112° 03' 10.41"	59.2	3,969.5		TRIM/REMOVE
55269	CONICAL	TREE	N34° 42' 33.84"	W112° 03' 08.67"	52.5	3,962.8		TRIM/REMOVE
55277	CONICAL	TREE	N34° 42' 40.21"	W112° 03' 09.96"	47.9	3,958.2		TRIM/REMOVE
55285	CONICAL	TREE	N34° 42' 42.63"	W112° 03' 06.42"	6.9	3,917.2		TRIM/REMOVE
55293	CONICAL	TREE	N34° 42' 43.81"	W112° 03' 07.96"	6.5	3,916.8		TRIM/REMOVE
55301	CONICAL	TREE	N34° 42' 44.20"	W112° 03' 10.77"	23.2	3,933.5		TRIM/REMOVE
55309	CONICAL	TREE	N34° 42' 46.36"	W112° 03' 10.78"	19.8	3,930.2		TRIM/REMOVE
55317	CONICAL	TREE	N34° 42' 44.90"	W112° 03' 15.76"	56.6	3,966.9		TRIM/REMOVE
55326	CONICAL	TREE	N34° 42' 43.20"	W112° 03' 18.88"	80.2	3,990.5		TRIM/REMOVE
55334	CONICAL	TREE	N34° 42' 47.11"	W112° 03' 22.13"	77.6	3,987.9		TRIM/REMOVE
55342	CONICAL	SCRUB	N34° 42' 47.49"	W112° 03' 13.43"	19.5	3,929.8		TRIM/REMOVE
55350	CONICAL	TREE	N34° 42' 47.83"	W112° 03' 09.83"	8.1	3,918.4		TRIM/REMOVE
55614	CONICAL	TREE	N34° 43' 34.65"	W112° 03' 43.82"	68.1	3,978.4		TRIM/REMOVE
55622	CONICAL	TREE	N34° 43' 34.37"	W112° 03' 47.54"	4.8	3,915.1		TRIM/REMOVE
55630	CONICAL	SCRUB	N34° 43' 35.32"	W112° 03' 50.54"	59.1	3,969.4		TRIM/REMOVE
57076	CONICAL	TREE	N34° 42' 34.94"	W112° 03' 03.26"	26.5	3,936.8		TRIM/REMOVE
57091	CONICAL	TREE	N34° 42' 25.62"	W112° 02' 47.25"	14.8	3,925.1		TRIM/REMOVE
57099	CONICAL	TREE	N34° 42' 25.29"	W112° 02' 50.39"	14.8	3,925.1		TRIM/REMOVE
57186	CONICAL	TREE	N34° 43' 26.05"	W112° 03' 32.56"	12.5	3,922.8		TRIM/REMOVE
57203	CONICAL	SCRUB	N34° 43' 00.80"	W112° 03' 34.27"	84.6	3,994.9		TRIM/REMOVE
57212	CONICAL	TREE	N34° 42' 55.22"	W112° 03' 30.91"	43.6	3,953.9		TRIM/REMOVE
113140	CONICAL	POLE	N34° 44' 08.14"	W112° 04' 03.18"	1.4	3,911.7	33.9	REMOVE/LOWER/PROVIDE OL
119030	CONICAL	TANK	N34° 44' 09.11"	W112° 04' 04.60"	7.4	3,917.7	35.9	PROVIDE OL
119054	CONICAL	BUILDING	N34° 44' 13.07"	W112° 04' 06.21"	7.8	3,918.1	19.8	PROVIDE OL
119062	CONICAL	BUILDING	N34° 44' 20.02"	W112° 04' 03.21"	148.2	4,058.5	31.2	PROVIDE OL
119070	CONICAL	BUILDING	N34° 44' 21.05"	W112° 04' 04.90"	145.9	4,056.2	20.4	PROVIDE OL
119078	CONICAL	BUILDING	N34° 44' 21.37"	W112° 04' 05.35"	134.9	4,045.2	10.5	PROVIDE OL
119278	CONICAL	BUILDING	N34° 43' 59.43"	W112° 04' 02.53"	54.6	3,964.9	21.8	PROVIDE OL
119286	CONICAL	BUILDING	N34° 44' 00.15"	W112° 04' 03.10"	41.9	3,952.2	8.2	PROVIDE OL
119294	CONICAL	BUILDING	N34° 43' 59.32"	W112° 04' 01.56"	43.8	3,954.1	19.0	PROVIDE OL
119302	CONICAL	BUILDING	N34° 43' 59.01"	W112° 04' 00.23"	10.3	3,920.6	7.9	PROVIDE OL
119310	CONICAL	SOLAR_PANELS	N34° 43' 59.32"	W112° 03' 59.99"	9.9	3,920.2	6.8	PROVIDE OL
119318	CONICAL	SOLAR_PANELS	N34° 43' 59.58"	W112° 03' 59.84"	9.9	3,920.2	7.4	PROVIDE OL
120078	CONICAL	ROAD - PRIVATE	N34° 42' 56.27"	W112° 03' 23.88"	5.2	3,925.5	10.0	DNH
120086	CONICAL	ROAD - PRIVATE	N34° 42' 54.89"	W112° 03' 24.45"	15.7	3,936.0	10.0	DNH
120094	CONICAL	ROAD - PRIVATE	N34° 42' 53.67"	W112° 03' 24.94"	31.1	3,951.4	10.0	DNH
120102	CONICAL	ROAD - PRIVATE	N34° 42' 52.23"	W112° 03' 25.49"	40.1	3,960.4	10.0	DNH
120110	CONICAL	ROAD - PRIVATE	N34° 42' 51.23"	W112° 03' 26.20"	51.7	3,972.0	10.0	DNH
120118	CONICAL	ROAD - PRIVATE	N34° 42' 50.65"	W112° 03' 27.30"	58.4	3,978.7	10.0	DNH
120126	CONICAL	ROAD - PRIVATE	N34° 42' 50.17"	W112° 03' 29.00"	68.1	3,988.4	10.0	DNH
120134	CONICAL	ROAD - PRIVATE	N34° 42' 49.64"	W112° 03' 30.87"	76.9	3,997.2	10.0	DNH
120174	CONICAL	ROAD - PRIVATE	N34° 42' 46.74"	W112° 03' 30.94"	111.2	4,031.5	10.0	DNH
120182	CONICAL	ROAD - PRIVATE	N34° 42' 46.01"	W112° 03' 29.76"	119.6	4,039.9	10.0	DNH
120190	CONICAL	ROAD - PRIVATE	N34° 42' 44.89"	W112° 03' 28.50"	129.8	4,050.1	10.0	DNH
120198	CONICAL	ROAD - PRIVATE	N34° 42' 43.83"	W112° 03' 27.42"	140.4	4,060.7	10.0	DNH
120206	CONICAL	ROAD - PRIVATE	N34° 42' 42.61"	W112° 03' 27.30"	151.4	4,071.7	10.0	DNH
120670	CONICAL	ROAD - PRIVATE	N34° 43' 59.65"	W112° 04' 05.34"	63.7	3,984.0	10.0	DNH
120678	CONICAL	ROAD - PRIVATE	N34° 44' 00.26"	W112° 04' 03.81"	43.5	3,963.8	10.0	DNH
120686	CONICAL	ROAD - PRIVATE	N34° 44' 00.70"	W112° 04' 02.47"	28.2	3,948.5	10.0	DNH
120694	CONICAL	ROAD - PRIVATE	N34° 44' 01.06"	W112° 04' 01.03"	10.4	3,930.7	10.0	DNH
121022	CONICAL	ROAD - PUBLIC	N34° 44' 12.07"	W112° 04' 05.09"	0.4	3,925.7	15.0	DNH
121230	CONICAL	ROAD - PRIVATE	N34° 44' 31.96"	W112° 04' 02.36"	54.8	3,975.1	10.0	DNH
121238	CONICAL	ROAD - PRIVATE	N34° 44' 32.07"	W112° 04' 01.30"	42.7	3,963.0	10.0	DNH
121246	CONICAL	ROAD - PRIVATE	N34° 44' 32.93"	W112° 04' 02.67"	37.8	3,958.1	10.0	DNH
123327	CONICAL	FENCE	N34° 44' 00.06"	W112° 04' 00.17"	10.1	3,920.4	5.0	REMOVE/LOWER/PROVIDE OL
130571	CONICAL	TREE	N34° 42' 04.62"	W112° 02' 19.96"	11.3	3,921.6		TRIM/REMOVE
130579	CONICAL	TREE	N34° 42' 04.90"	W112° 02' 21.74"	14.3	3,924.6		TRIM/REMOVE
130587	CONICAL	TREE	N34° 42' 03.53"	W112° 02' 19.85"	14.5	3,924.8		TRIM/REMOVE
130595	CONICAL	TREE	N34° 42' 02.73"	W112° 02' 20.94"	22.5	3,932.8		TRIM/REMOVE
130603	CONICAL	TREE	N34° 42' 02.98"	W112° 02' 23.03"	45.8	3,956.1		TRIM/REMOVE
130611	CONICAL	TREE	N34° 42' 03.85"	W112° 02' 23.52"	40.2	3,950.5		TRIM/REMOVE
130635	CONICAL	TREE	N34° 42' 04.60"	W112° 02' 25.41"	22.8	3,933.1		TRIM/REMOVE
130643	CONICAL	TREE	N34° 42' 03.71"	W112° 02' 25.91"	56.8	3,967.1		TRIM/REMOVE
130651	CONICAL	TREE	N34° 42' 02.96"	W112° 02' 26.94"	74.2	3,984.5		TRIM/REMOVE
130659	CONICAL	TREE	N34° 42' 03.46"	W112° 02' 28.89"	72.6	3,982.9		TRIM/REMOVE
130667	CONICAL	TREE	N34° 42' 02.52"	W112° 02' 28.48"	86.4	3,996.7		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
CONICAL SURFACE PENETRATION GROUP *(CONT.)*								
130675	CONICAL	TREE	N34° 42' 01.22"	W112° 02' 29.16"	108.9	4,019.2		TRIM/REMOVE
130683	CONICAL	TREE	N34° 42' 00.76"	W112° 02' 27.94"	113.3	4,023.6		TRIM/REMOVE
130691	CONICAL	TREE	N34° 42' 00.28"	W112° 02' 30.62"	123.0	4,033.3		TRIM/REMOVE
130699	CONICAL	TREE	N34° 42' 00.80"	W112° 02' 31.89"	118.7	4,029.0		TRIM/REMOVE
130707	CONICAL	TREE	N34° 42' 02.14"	W112° 02' 31.34"	89.5	3,999.8		TRIM/REMOVE
130715	CONICAL	TREE	N34° 42' 03.62"	W112° 02' 30.43"	59.5	3,969.8		TRIM/REMOVE
130723	CONICAL	TREE	N34° 42' 04.57"	W112° 02' 31.64"	6.3	3,916.6		TRIM/REMOVE
130731	CONICAL	TREE	N34° 42' 03.47"	W112° 02' 32.87"	18.7	3,929.0		TRIM/REMOVE
130739	CONICAL	TREE	N34° 42' 02.63"	W112° 02' 33.33"	42.3	3,952.6		TRIM/REMOVE
130747	CONICAL	TREE	N34° 42' 01.58"	W112° 02' 35.14"	52.3	3,962.6		TRIM/REMOVE
130771	CONICAL	TREE	N34° 42' 02.12"	W112° 02' 30.12"	97.3	4,007.6		TRIM/REMOVE
130779	CONICAL	TREE	N34° 42' 04.43"	W112° 02' 28.75"	33.7	3,944.0		TRIM/REMOVE
130795	CONICAL	TREE	N34° 42' 04.71"	W112° 02' 27.04"	31.5	3,941.9		TRIM/REMOVE
130803	CONICAL	TREE	N34° 42' 02.40"	W112° 02' 25.50"	75.0	3,985.3		TRIM/REMOVE
130811	CONICAL	TREE	N34° 42' 01.65"	W112° 02' 24.70"	77.8	3,988.1		TRIM/REMOVE
130819	CONICAL	TREE	N34° 42' 00.76"	W112° 02' 24.62"	71.1	3,981.5		TRIM/REMOVE
130827	CONICAL	TREE	N34° 42' 00.12"	W112° 02' 25.84"	90.6	4,000.9		TRIM/REMOVE
130851	CONICAL	TREE	N34° 42' 00.23"	W112° 02' 28.80"	122.3	4,032.6		TRIM/REMOVE
130859	CONICAL	TREE	N34° 42' 00.69"	W112° 02' 23.00"	28.7	3,939.0		TRIM/REMOVE
130867	CONICAL	TREE	N34° 41' 58.96"	W112° 02' 24.79"	33.2	3,943.5		TRIM/REMOVE
131211	CONICAL	TREE	N34° 42' 03.16"	W112° 02' 37.80"	17.7	3,928.0		TRIM/REMOVE
131219	CONICAL	TREE	N34° 42' 04.63"	W112° 02' 38.96"	67.1	3,977.4		TRIM/REMOVE
131227	CONICAL	TREE	N34° 42' 04.31"	W112° 02' 40.23"	85.5	3,995.8		TRIM/REMOVE
131235	CONICAL	TREE	N34° 42' 05.11"	W112° 02' 41.23"	129.7	4,040.0		TRIM/REMOVE
131243	CONICAL	TREE	N34° 42' 06.90"	W112° 02' 39.63"	132.4	4,042.7		TRIM/REMOVE
131251	CONICAL	TREE	N34° 42' 08.10"	W112° 02' 39.67"	141.7	4,052.0		TRIM/REMOVE
131259	CONICAL	TREE	N34° 42' 07.14"	W112° 02' 37.79"	99.7	4,010.0		TRIM/REMOVE
131267	CONICAL	TREE	N34° 42' 06.11"	W112° 02' 38.67"	103.3	4,013.6		TRIM/REMOVE
131275	CONICAL	TREE	N34° 42' 05.35"	W112° 02' 36.92"	44.4	3,954.7		TRIM/REMOVE
131283	CONICAL	TREE	N34° 42' 05.69"	W112° 02' 35.60"	25.5	3,935.8		TRIM/REMOVE
131291	CONICAL	TREE	N34° 42' 06.54"	W112° 02' 34.52"	21.0	3,931.3		TRIM/REMOVE
131299	CONICAL	TREE	N34° 42' 06.47"	W112° 02' 36.52"	59.6	3,969.9		TRIM/REMOVE
131307	CONICAL	TREE	N34° 42' 07.44"	W112° 02' 36.74"	83.8	3,994.1		TRIM/REMOVE
131315	CONICAL	TREE	N34° 42' 09.30"	W112° 02' 37.34"	122.9	4,033.2		TRIM/REMOVE
131323	CONICAL	TREE	N34° 42' 10.82"	W112° 02' 37.08"	128.9	4,039.2		TRIM/REMOVE
131331	CONICAL	TREE	N34° 42' 11.32"	W112° 02' 38.88"	133.9	4,044.2		TRIM/REMOVE
131339	CONICAL	TREE	N34° 42' 12.28"	W112° 02' 39.04"	129.2	4,039.5		TRIM/REMOVE
131347	CONICAL	TREE	N34° 42' 10.90"	W112° 02' 40.20"	141.2	4,051.5		TRIM/REMOVE
131355	CONICAL	TREE	N34° 42' 10.62"	W112° 02' 41.64"	144.7	4,055.0		TRIM/REMOVE
131363	CONICAL	TREE	N34° 42' 12.95"	W112° 02' 40.41"	133.5	4,043.8		TRIM/REMOVE
131371	CONICAL	TREE	N34° 42' 13.44"	W112° 02' 38.81"	126.6	4,036.9		TRIM/REMOVE
131379	CONICAL	TREE	N34° 42' 13.41"	W112° 02' 37.22"	121.9	4,032.2		TRIM/REMOVE
131387	CONICAL	TREE	N34° 42' 15.16"	W112° 02' 38.74"	115.7	4,026.0		TRIM/REMOVE
131395	CONICAL	TREE	N34° 42' 14.65"	W112° 02' 37.59"	113.5	4,023.8		TRIM/REMOVE
131403	CONICAL	TREE	N34° 42' 15.35"	W112° 02' 35.93"	102.5	4,012.8		TRIM/REMOVE
131411	CONICAL	TREE	N34° 42' 14.17"	W112° 02' 35.13"	93.7	4,004.0		TRIM/REMOVE
131419	CONICAL	TREE	N34° 42' 13.11"	W112° 02' 34.47"	66.9	3,977.2		TRIM/REMOVE
131427	CONICAL	TREE	N34° 42' 12.25"	W112° 02' 34.70"	61.4	3,971.7		TRIM/REMOVE
131435	CONICAL	TREE	N34° 42' 11.54"	W112° 02' 33.87"	58.8	3,969.1		TRIM/REMOVE
131443	CONICAL	TREE	N34° 42' 10.47"	W112° 02' 34.08"	69.0	3,979.3		TRIM/REMOVE
131451	CONICAL	TREE	N34° 42' 10.30"	W112° 02' 35.42"	98.4	4,008.7		TRIM/REMOVE
131459	CONICAL	TREE	N34° 42' 11.44"	W112° 02' 36.39"	103.9	4,014.2		TRIM/REMOVE
131467	CONICAL	TREE	N34° 42' 12.39"	W112° 02' 36.71"	116.1	4,026.4		TRIM/REMOVE
131475	CONICAL	TREE	N34° 42' 12.21"	W112° 02' 35.75"	85.8	3,996.1		TRIM/REMOVE
131483	CONICAL	TREE	N34° 42' 14.43"	W112° 02' 33.82"	64.1	3,974.4		TRIM/REMOVE
131491	CONICAL	TREE	N34° 42' 13.60"	W112° 02' 33.07"	47.6	3,957.9		TRIM/REMOVE
131499	CONICAL	TREE	N34° 42' 13.21"	W112° 02' 32.04"	15.3	3,925.6		TRIM/REMOVE
131515	CONICAL	TREE	N34° 42' 14.89"	W112° 02' 31.62"	23.8	3,934.1		TRIM/REMOVE
131523	CONICAL	TREE	N34° 42' 15.80"	W112° 02' 31.51"	35.6	3,945.9		TRIM/REMOVE
131531	CONICAL	TREE	N34° 42' 15.85"	W112° 02' 32.54"	60.0	3,970.3		TRIM/REMOVE
131539	CONICAL	TREE	N34° 42' 15.76"	W112° 02' 33.67"	78.7	3,989.0		TRIM/REMOVE
131547	CONICAL	TREE	N34° 42' 16.96"	W112° 02' 35.22"	90.9	4,001.3		TRIM/REMOVE
131555	CONICAL	TREE	N34° 42' 11.73"	W112° 02' 32.02"	31.4	3,941.7		TRIM/REMOVE
131563	CONICAL	TREE	N34° 42' 11.07"	W112° 02' 31.23"	30.4	3,940.7		TRIM/REMOVE
131571	CONICAL	TREE	N34° 42' 10.41"	W112° 02' 31.89"	29.3	3,939.6		TRIM/REMOVE
131579	CONICAL	TREE	N34° 42' 09.46"	W112° 02' 33.10"	39.5	3,949.8		TRIM/REMOVE
131587	CONICAL	TREE	N34° 42' 08.89"	W112° 02' 32.25"	15.6	3,925.9		TRIM/REMOVE
131595	CONICAL	TREE	N34° 42' 07.66"	W112° 02' 32.54"	6.7	3,917.0		TRIM/REMOVE
131611	CONICAL	TREE	N34° 42' 04.80"	W112° 02' 30.48"	10.9	3,921.2		TRIM/REMOVE
131675	CONICAL	TREE	N34° 42' 10.55"	W112° 02' 29.71"	20.9	3,931.2		TRIM/REMOVE
131683	CONICAL	TREE	N34° 42' 10.17"	W112° 02' 30.87"	16.7	3,927.0		TRIM/REMOVE
131691	CONICAL	TREE	N34° 42' 10.29"	W112° 02' 27.99"	9.8	3,920.1		TRIM/REMOVE
131723	CONICAL	TREE	N34° 42' 04.15"	W112° 02' 22.49"	29.7	3,940.0		TRIM/REMOVE
131731	CONICAL	TREE	N34° 42' 03.09"	W112° 02' 21.62"	36.3	3,946.6		TRIM/REMOVE
131883	CONICAL	TREE	N34° 42' 11.36"	W112° 02' 25.76"	15.6	3,925.9		TRIM/REMOVE
131891	CONICAL	TREE	N34° 42' 11.21"	W112° 02' 24.54"	0.2	3,910.5		TRIM/REMOVE
131899	CONICAL	TREE	N34° 42' 12.40"	W112° 02' 25.72"	14.7	3,925.0		TRIM/REMOVE
131907	CONICAL	TREE	N34° 42' 11.58"	W112° 02' 27.74"	22.8	3,933.1		TRIM/REMOVE
131915	CONICAL	TREE	N34° 42' 12.39"	W112° 02' 28.76"	8.0	3,918.3		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
CONICAL SURFACE PENETRATION GROUP *(CONT.)*								
131923	CONICAL	TREE	N34° 42' 13.14"	W112° 02' 27.46"	0.4	3,910.7		TRIM/REMOVE
131947	CONICAL	TREE	N34° 42' 12.67"	W112° 02' 24.61"	3.0	3,913.3		TRIM/REMOVE
132019	CONICAL	TREE	N34° 42' 16.80"	W112° 02' 30.20"	27.6	3,937.9		TRIM/REMOVE
132043	CONICAL	TREE	N34° 42' 12.17"	W112° 02' 30.54"	6.9	3,917.2		TRIM/REMOVE
132051	CONICAL	TREE	N34° 42' 17.56"	W112° 02' 32.25"	58.9	3,969.2		TRIM/REMOVE
132059	CONICAL	TREE	N34° 42' 18.58"	W112° 02' 32.37"	45.7	3,956.0		TRIM/REMOVE
132067	CONICAL	TREE	N34° 42' 19.28"	W112° 02' 34.77"	33.7	3,944.0		TRIM/REMOVE
132075	CONICAL	TREE	N34° 42' 17.86"	W112° 02' 34.45"	75.5	3,985.8		TRIM/REMOVE
132083	CONICAL	TREE	N34° 42' 18.46"	W112° 02' 35.72"	59.5	3,969.8		TRIM/REMOVE
132091	CONICAL	TREE	N34° 42' 19.45"	W112° 02' 36.05"	28.3	3,938.6		TRIM/REMOVE
132099	CONICAL	TREE	N34° 42' 18.57"	W112° 02' 36.89"	49.0	3,959.3		TRIM/REMOVE
132107	CONICAL	TREE	N34° 42' 17.37"	W112° 02' 36.51"	85.6	3,995.9		TRIM/REMOVE
132115	CONICAL	TREE	N34° 42' 16.21"	W112° 02' 36.61"	103.2	4,013.5		TRIM/REMOVE
132123	CONICAL	TREE	N34° 42' 16.18"	W112° 02' 38.77"	106.0	4,016.3		TRIM/REMOVE
132131	CONICAL	TREE	N34° 42' 16.94"	W112° 02' 39.22"	85.1	3,995.4		TRIM/REMOVE
132139	CONICAL	TREE	N34° 42' 17.53"	W112° 02' 38.43"	70.0	3,980.3		TRIM/REMOVE
132163	CONICAL	TREE	N34° 42' 19.79"	W112° 02' 32.24"	2.6	3,912.9		TRIM/REMOVE
132171	CONICAL	TREE	N34° 42' 19.86"	W112° 02' 31.09"	1.6	3,911.9		TRIM/REMOVE
132179	CONICAL	TREE	N34° 42' 18.42"	W112° 02' 30.31"	30.1	3,940.4		TRIM/REMOVE
132187	CONICAL	TREE	N34° 42' 17.78"	W112° 02' 29.60"	26.0	3,936.3		TRIM/REMOVE
132659	CONICAL	TREE	N34° 42' 12.42"	W112° 02' 27.79"	9.8	3,920.1		TRIM/REMOVE
132683	CONICAL	TREE	N34° 42' 09.54"	W112° 02' 29.84"	7.8	3,918.1		TRIM/REMOVE
132691	CONICAL	TREE	N34° 42' 06.95"	W112° 02' 33.26"	0.9	3,911.2		TRIM/REMOVE
132723	CONICAL	TREE	N34° 42' 04.39"	W112° 02' 37.96"	41.1	3,951.4		TRIM/REMOVE
132731	CONICAL	TREE	N34° 42' 03.43"	W112° 02' 37.11"	6.8	3,917.1		TRIM/REMOVE
132755	CONICAL	TREE	N34° 42' 01.78"	W112° 02' 33.57"	61.6	3,971.9		TRIM/REMOVE
132803	CONICAL	TREE	N34° 42' 00.86"	W112° 02' 21.71"	11.4	3,921.7		TRIM/REMOVE
134211	CONICAL	TREE	N34° 42' 05.91"	W112° 02' 42.58"	151.5	4,061.8		TRIM/REMOVE
134219	CONICAL	TREE	N34° 42' 10.67"	W112° 02' 44.11"	155.7	4,066.0		TRIM/REMOVE
134227	CONICAL	TREE	N34° 42' 12.28"	W112° 02' 45.46"	150.1	4,060.4		TRIM/REMOVE
134235	CONICAL	TREE	N34° 42' 13.63"	W112° 02' 44.29"	136.6	4,046.9		TRIM/REMOVE
134243	CONICAL	TREE	N34° 42' 14.21"	W112° 02' 42.45"	133.0	4,043.3		TRIM/REMOVE
134251	CONICAL	TREE	N34° 42' 15.18"	W112° 02' 41.01"	120.7	4,031.0		TRIM/REMOVE
134259	CONICAL	TREE	N34° 42' 16.09"	W112° 02' 41.97"	100.7	4,011.0		TRIM/REMOVE
134267	CONICAL	TREE	N34° 42' 15.80"	W112° 02' 43.13"	100.6	4,010.9		TRIM/REMOVE
134275	CONICAL	TREE	N34° 42' 15.48"	W112° 02' 39.84"	115.3	4,025.6		TRIM/REMOVE
134283	CONICAL	TREE	N34° 42' 13.69"	W112° 02' 39.81"	131.4	4,041.7		TRIM/REMOVE
134291	CONICAL	TREE	N34° 42' 14.51"	W112° 02' 38.44"	119.8	4,030.1		TRIM/REMOVE
134299	CONICAL	TREE	N34° 42' 15.36"	W112° 02' 36.95"	110.4	4,020.7		TRIM/REMOVE
134307	CONICAL	TREE	N34° 42' 17.44"	W112° 02' 31.08"	45.9	3,956.2		TRIM/REMOVE
134315	CONICAL	TREE	N34° 42' 19.11"	W112° 02' 33.65"	33.4	3,943.7		TRIM/REMOVE
134323	CONICAL	TREE	N34° 42' 17.96"	W112° 02' 37.37"	65.1	3,975.4		TRIM/REMOVE
134331	CONICAL	TREE	N34° 42' 17.45"	W112° 02' 40.13"	65.5	3,975.8		TRIM/REMOVE
134339	CONICAL	TREE	N34° 42' 08.25"	W112° 02' 50.12"	190.1	4,100.4		TRIM/REMOVE
134355	CONICAL	TREE	N34° 42' 11.04"	W112° 02' 51.96"	157.8	4,068.1		TRIM/REMOVE
134363	CONICAL	TREE	N34° 42' 12.94"	W112° 02' 52.91"	113.7	4,024.0		TRIM/REMOVE
134371	CONICAL	TREE	N34° 42' 14.74"	W112° 02' 53.19"	78.2	3,988.5		TRIM/REMOVE
134379	CONICAL	TREE	N34° 42' 12.28"	W112° 02' 54.70"	125.2	4,035.5		TRIM/REMOVE
134387	CONICAL	TREE	N34° 42' 13.16"	W112° 02' 55.36"	108.3	4,018.6		TRIM/REMOVE
134395	CONICAL	TREE	N34° 42' 12.29"	W112° 02' 55.68"	125.6	4,035.9		TRIM/REMOVE
134403	CONICAL	TREE	N34° 42' 13.67"	W112° 02' 57.11"	97.3	4,007.6		TRIM/REMOVE
134411	CONICAL	TREE	N34° 42' 14.91"	W112° 02' 57.61"	94.3	4,004.6		TRIM/REMOVE
134419	CONICAL	TREE	N34° 42' 17.29"	W112° 02' 57.02"	91.8	4,002.1		TRIM/REMOVE
134427	CONICAL	TREE	N34° 42' 18.23"	W112° 02' 56.24"	84.4	3,994.7		TRIM/REMOVE
134435	CONICAL	TREE	N34° 42' 17.33"	W112° 02' 54.71"	81.5	3,991.8		TRIM/REMOVE
134443	CONICAL	TREE	N34° 42' 17.64"	W112° 02' 52.95"	72.4	3,982.7		TRIM/REMOVE
134451	CONICAL	TREE	N34° 42' 18.49"	W112° 02' 50.77"	60.8	3,971.1		TRIM/REMOVE
134459	CONICAL	TREE	N34° 42' 17.02"	W112° 02' 50.91"	59.3	3,969.6		TRIM/REMOVE
134467	CONICAL	TREE	N34° 42' 17.38"	W112° 02' 46.81"	35.9	3,946.2		TRIM/REMOVE
134475	CONICAL	TREE	N34° 42' 16.51"	W112° 02' 46.91"	49.6	3,959.9		TRIM/REMOVE
134483	CONICAL	TREE	N34° 42' 16.00"	W112° 02' 45.94"	63.7	3,974.0		TRIM/REMOVE
134491	CONICAL	TREE	N34° 42' 12.33"	W112° 02' 48.61"	145.3	4,055.6		TRIM/REMOVE
134603	CONICAL	TREE	N34° 42' 14.51"	W112° 03' 01.04"	110.0	4,020.3		TRIM/REMOVE
134619	CONICAL	TREE	N34° 42' 13.68"	W112° 02' 59.24"	104.9	4,015.2		TRIM/REMOVE
134811	CONICAL	TREE	N34° 42' 03.94"	W112° 02' 39.20"	59.0	3,969.3		TRIM/REMOVE
134827	CONICAL	TREE	N34° 42' 08.49"	W112° 02' 34.22"	49.2	3,959.5		TRIM/REMOVE
134835	CONICAL	TREE	N34° 42' 08.64"	W112° 02' 35.84"	87.6	3,997.9		TRIM/REMOVE
135003	CONICAL	TREE	N34° 42' 00.33"	W112° 02' 27.02"	107.5	4,017.8		TRIM/REMOVE
135011	CONICAL	SCRUB	N34° 42' 02.03"	W112° 02' 22.45"	42.7	3,953.0		TRIM/REMOVE
135019	CONICAL	TREE	N34° 42' 04.08"	W112° 02' 18.86"	4.6	3,914.9		TRIM/REMOVE
136547	CONICAL	TREE	N34° 42' 31.89"	W112° 02' 31.43"	9.0	3,919.3		TRIM/REMOVE
136571	CONICAL	TREE	N34° 42' 30.68"	W112° 02' 36.61"	36.1	3,946.4		TRIM/REMOVE
136579	CONICAL	TREE	N34° 42' 30.73"	W112° 02' 38.97"	13.7	3,924.0		TRIM/REMOVE
136587	CONICAL	TREE	N34° 42' 30.11"	W112° 02' 41.00"	17.8	3,928.1		TRIM/REMOVE
137211	CONICAL	TREE	N34° 42' 22.02"	W112° 02' 41.85"	14.0	3,924.3		TRIM/REMOVE
137219	CONICAL	TREE	N34° 42' 20.27"	W112° 02' 44.24"	25.1	3,935.4		TRIM/REMOVE
137227	CONICAL	TREE	N34° 42' 19.93"	W112° 02' 45.36"	33.2	3,943.5		TRIM/REMOVE
137235	CONICAL	TREE	N34° 42' 19.06"	W112° 02' 46.23"	37.0	3,947.3		TRIM/REMOVE
137243	CONICAL	TREE	N34° 42' 20.75"	W112° 02' 49.44"	51.5	3,961.8		TRIM/REMOVE

NOTES

1. SURVEY PERFORMED JULY 2020.
2. PART 77 SURFACES BASED ON 14 CFR PART 77.
3. PART 77 APPROACH SURFACES SHOWN ON SHEET 34 - INNER PORTION OF THE APPROACH SURFACE DRAWING; PART 77 APPROACH SURFACE OBSTRUCTIONS LISTED ON SHEETS 35-36.
4. TRAVERSEWAY ELEVATIONS INCLUDE THE FOLLOWING ADJUSTMENTS: PRIVATE ROADS: 10', PUBLIC ROADS: 15'. NO INTERSTATE HIGHWAYS OR RAILROADS ARE LOCATED IN THE IMMEDIATE VICINITY OF THE AIRPORT.
5. SURVEY IDENTIFIED A TOTAL OF 6,298 OBSTRUCTIONS TO PART 77 SURFACES, NOT INCLUDING PART 77 APPROACH SURFACES. OBSTRUCTIONS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT TOP 2% OF PENETRATIONS TO EACH PART 77 SURFACE.
6. OBSTRUCTION GROUPS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT APPROXIMATE LOCATION OF ALL OBSTRUCTIONS. COMPREHENSIVE LISTS OF OBSTRUCTIONS TO EACH PART 77 SURFACE, NOT INCLUDING PART 77 APPROACH SURFACES, ARE INCLUDED ON SHEETS 7-33.
7. OBSTRUCTION DESCRIPTIONS ARE GROUPED IN THE SUMMARY TABLE ON SHEET 6 - AIRPORT AIRSPACE DRAWING PER THE FOLLOWING: VEGETATION = BUSH, SCRUB, TREE; GROUND = GROUND; BUILDINGS/HANGARS = BUILDING, HANGAR; POLES/TOWERS = ANTENNA, BEACON, POLE, POLE_LIGHT, POLE_UTIL, POST, TRANSMISSION_PYLON, VERTICAL_POINT; NAVAIDS = PAPI, PAPI_CONTROL_BOX, REIL, SIGN, WINDSOCK; GROUND TRANSPORTATION = PARKING_LOT, ROAD - PRIVATE, ROAD - PUBLIC, STREET SIGN; UTILITY INFRASTRUCTURE = A/G PIPE, DAM, ELEC_BOX, MISC_UTIL, SOLAR_PANELS, TANK, TRANSFORMER; FENCE = FENCE, GATE; OTHER = CANOPY, DIRT_PILE, WALL
8. ALL HEIGHTS SHOWN IN FEET.
9. OBSTRUCTION HEIGHT ABOVE GROUND LEVEL PROVIDED WHERE AVAILABLE.
10. DEFINITIONS: PEN = PENETRATION; MSL = MEAN SEA LEVEL; AGL = ABOVE GROUND LEVEL; OL = OBSTRUCTION LIGHTING; DNH = DETERMINATION OF NO HAZARD

NO.	DATE	REVISIONS	BY	APPR.
5				
4				
3				
2				
1				

Kimley»Horn

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COTTONWOOD MUNICIPAL AIRPORT

COTTONWOOD, AZ

AIRPORT AIRSPACE DRAWING - PART 77 SURFACE PENETRATION TABLES (21 OF 27)

JOB NO. 291447000	DRAWN	KH	CHECKED	CBW	SHEET 27 OF 40
DATE: DECEMBER 2022	DESIGNED	JTC	APPROVED	CBW	

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
CONICAL SURFACE PENETRATION GROUP *(CONT.)*								
137251	CONICAL	TREE	N34° 42' 22.04"	W112° 02' 51.32"	57.0	3,967.3		TRIM/REMOVE
137259	CONICAL	TREE	N34° 42' 23.78"	W112° 02' 50.74"	45.2	3,955.5		TRIM/REMOVE
137267	CONICAL	TREE	N34° 42' 24.70"	W112° 02' 51.99"	32.8	3,943.1		TRIM/REMOVE
137275	CONICAL	TREE	N34° 42' 24.16"	W112° 02' 52.53"	45.8	3,956.1		TRIM/REMOVE
137283	CONICAL	TREE	N34° 42' 22.41"	W112° 02' 56.98"	79.8	3,990.1		TRIM/REMOVE
137291	CONICAL	TREE	N34° 42' 21.69"	W112° 02' 57.56"	84.6	3,994.9		TRIM/REMOVE
137299	CONICAL	TREE	N34° 42' 20.48"	W112° 02' 59.56"	99.2	4,009.5		TRIM/REMOVE
137307	CONICAL	TREE	N34° 42' 22.09"	W112° 02' 59.92"	78.0	3,988.3		TRIM/REMOVE
137315	CONICAL	TREE	N34° 42' 19.93"	W112° 03' 03.30"	107.2	4,017.5		TRIM/REMOVE
137323	CONICAL	TREE	N34° 42' 18.25"	W112° 03' 03.90"	119.0	4,029.3		TRIM/REMOVE
137331	CONICAL	TREE	N34° 42' 18.86"	W112° 03' 05.20"	115.1	4,025.4		TRIM/REMOVE
137515	CONICAL	TREE	N34° 42' 28.58"	W112° 03' 17.00"	175.6	4,085.9		TRIM/REMOVE
137851	CONICAL	TREE	N34° 42' 22.34"	W112° 03' 11.15"	107.8	4,018.1		TRIM/REMOVE
137867	CONICAL	TREE	N34° 42' 24.10"	W112° 03' 13.16"	103.4	4,013.7		TRIM/REMOVE
137875	CONICAL	TREE	N34° 42' 25.04"	W112° 03' 13.27"	101.8	4,012.1		TRIM/REMOVE
138035	CONICAL	TREE	N34° 42' 09.51"	W112° 02' 43.54"	159.4	4,069.7		TRIM/REMOVE
138043	CONICAL	TREE	N34° 42' 09.29"	W112° 02' 41.03"	147.9	4,058.2		TRIM/REMOVE
138051	CONICAL	TREE	N34° 42' 09.91"	W112° 02' 38.01"	131.8	4,042.1		TRIM/REMOVE
138059	CONICAL	TREE	N34° 42' 19.87"	W112° 02' 40.70"	5.1	3,915.4		TRIM/REMOVE
138067	CONICAL	TREE	N34° 42' 27.58"	W112° 02' 42.71"	25.1	3,935.4		TRIM/REMOVE
138131	CONICAL	TREE	N34° 42' 29.73"	W112° 02' 41.99"	14.6	3,924.9		TRIM/REMOVE
138363	CONICAL	TREE	N34° 42' 34.55"	W112° 02' 57.33"	6.1	3,916.4		TRIM/REMOVE
138371	CONICAL	TREE	N34° 42' 34.37"	W112° 02' 58.54"	12.2	3,922.5		TRIM/REMOVE
138379	CONICAL	TREE	N34° 42' 34.41"	W112° 02' 59.60"	13.2	3,923.5		TRIM/REMOVE
138387	CONICAL	TREE	N34° 42' 33.53"	W112° 03' 00.35"	17.6	3,927.9		TRIM/REMOVE
138395	CONICAL	TREE	N34° 42' 33.03"	W112° 02' 59.14"	16.5	3,926.8		TRIM/REMOVE
138403	CONICAL	TREE	N34° 42' 32.72"	W112° 02' 58.03"	7.2	3,917.5		TRIM/REMOVE
138411	CONICAL	TREE	N34° 42' 30.70"	W112° 02' 59.64"	25.9	3,936.2		TRIM/REMOVE
138419	CONICAL	TREE	N34° 42' 32.48"	W112° 03' 01.35"	31.1	3,941.4		TRIM/REMOVE
138427	CONICAL	TREE	N34° 42' 33.88"	W112° 03' 01.93"	25.6	3,935.9		TRIM/REMOVE
138435	CONICAL	TREE	N34° 42' 35.70"	W112° 03' 02.31"	14.5	3,924.8		TRIM/REMOVE
138443	CONICAL	TREE	N34° 42' 34.70"	W112° 03' 01.48"	21.0	3,931.3		TRIM/REMOVE
138451	CONICAL	TREE	N34° 42' 35.32"	W112° 03' 00.69"	14.6	3,924.9		TRIM/REMOVE
138459	CONICAL	TREE	N34° 42' 35.89"	W112° 02' 59.90"	7.5	3,917.8		TRIM/REMOVE
138475	CONICAL	TREE	N34° 42' 35.69"	W112° 02' 58.17"	0.1	3,910.4		TRIM/REMOVE
138483	CONICAL	TREE	N34° 42' 35.22"	W112° 02' 57.41"	2.0	3,912.3		TRIM/REMOVE
138515	CONICAL	TREE	N34° 42' 38.15"	W112° 03' 02.46"	8.4	3,918.7		TRIM/REMOVE
138523	CONICAL	TREE	N34° 42' 36.73"	W112° 03' 02.91"	7.3	3,917.6		TRIM/REMOVE
138531	CONICAL	TREE	N34° 42' 33.80"	W112° 02' 56.92"	1.1	3,911.4		TRIM/REMOVE
138539	CONICAL	TREE	N34° 42' 33.00"	W112° 02' 55.84"	4.0	3,914.3		TRIM/REMOVE
138547	CONICAL	TREE	N34° 42' 31.24"	W112° 03' 01.68"	28.3	3,938.6		TRIM/REMOVE
138555	CONICAL	TREE	N34° 42' 30.08"	W112° 03' 02.28"	31.3	3,941.6		TRIM/REMOVE
138563	CONICAL	TREE	N34° 42' 28.20"	W112° 03' 00.43"	35.0	3,945.3		TRIM/REMOVE
138571	CONICAL	TREE	N34° 42' 28.97"	W112° 03' 00.64"	30.7	3,941.0		TRIM/REMOVE
138579	CONICAL	TREE	N34° 42' 27.79"	W112° 03' 04.99"	61.6	3,971.9		TRIM/REMOVE
138587	CONICAL	TREE	N34° 42' 27.96"	W112° 03' 06.28"	64.7	3,975.0		TRIM/REMOVE
138595	CONICAL	TREE	N34° 42' 26.68"	W112° 03' 07.93"	76.1	3,986.4		TRIM/REMOVE
138603	CONICAL	TREE	N34° 42' 25.75"	W112° 03' 05.67"	73.3	3,983.6		TRIM/REMOVE
138611	CONICAL	TREE	N34° 42' 25.57"	W112° 03' 04.48"	59.0	3,969.3		TRIM/REMOVE
138619	CONICAL	TREE	N34° 42' 25.39"	W112° 03' 03.38"	55.2	3,965.5		TRIM/REMOVE
138627	CONICAL	TREE	N34° 42' 27.10"	W112° 03' 03.05"	46.8	3,957.1		TRIM/REMOVE
138635	CONICAL	TREE	N34° 42' 25.45"	W112° 03' 02.21"	50.2	3,960.5		TRIM/REMOVE
138643	CONICAL	TREE	N34° 42' 25.23"	W112° 03' 00.88"	45.9	3,956.2		TRIM/REMOVE
138651	CONICAL	TREE	N34° 42' 27.18"	W112° 03' 01.41"	43.2	3,953.5		TRIM/REMOVE
138659	CONICAL	TREE	N34° 42' 27.28"	W112° 02' 58.90"	32.4	3,942.7		TRIM/REMOVE
138667	CONICAL	TREE	N34° 42' 29.11"	W112° 02' 59.34"	25.7	3,936.0		TRIM/REMOVE
138675	CONICAL	TREE	N34° 42' 30.46"	W112° 02' 58.65"	21.3	3,931.6		TRIM/REMOVE
138683	CONICAL	TREE	N34° 42' 28.24"	W112° 02' 57.60"	18.9	3,929.2		TRIM/REMOVE
138691	CONICAL	TREE	N34° 42' 27.66"	W112° 02' 55.47"	15.0	3,925.3		TRIM/REMOVE
138699	CONICAL	TREE	N34° 42' 29.09"	W112° 02' 54.38"	5.1	3,915.4		TRIM/REMOVE
138707	CONICAL	TREE	N34° 42' 29.63"	W112° 02' 53.10"	1.8	3,912.2		TRIM/REMOVE
138755	CONICAL	TREE	N34° 42' 26.38"	W112° 02' 50.17"	2.7	3,913.0		TRIM/REMOVE
138763	CONICAL	TREE	N34° 42' 24.09"	W112° 02' 57.32"	47.9	3,958.2		TRIM/REMOVE
138771	CONICAL	TREE	N34° 42' 23.21"	W112° 02' 58.59"	58.0	3,968.3		TRIM/REMOVE
138779	CONICAL	TREE	N34° 42' 23.13"	W112° 03' 00.25"	53.7	3,964.0		TRIM/REMOVE
138787	CONICAL	TREE	N34° 42' 23.00"	W112° 03' 01.54"	57.8	3,968.1		TRIM/REMOVE
138795	CONICAL	TREE	N34° 42' 24.18"	W112° 03' 03.14"	56.3	3,966.6		TRIM/REMOVE
138803	CONICAL	TREE	N34° 42' 29.08"	W112° 03' 04.30"	47.0	3,957.3		TRIM/REMOVE
138811	CONICAL	TREE	N34° 42' 30.05"	W112° 03' 07.39"	61.3	3,971.6		TRIM/REMOVE
138819	CONICAL	TREE	N34° 42' 28.96"	W112° 03' 07.98"	64.3	3,974.6		TRIM/REMOVE
138827	CONICAL	TREE	N34° 42' 28.31"	W112° 03' 09.33"	71.8	3,982.1		TRIM/REMOVE
138835	CONICAL	TREE	N34° 42' 26.95"	W112° 03' 09.96"	83.4	3,993.7		TRIM/REMOVE
138843	CONICAL	TREE	N34° 42' 26.43"	W112° 03' 11.13"	88.4	3,998.7		TRIM/REMOVE
138851	CONICAL	TREE	N34° 42' 26.28"	W112° 03' 12.69"	88.6	3,998.9		TRIM/REMOVE
138859	CONICAL	TREE	N34° 42' 28.58"	W112° 03' 11.07"	65.2	3,975.5		TRIM/REMOVE
138867	CONICAL	TREE	N34° 42' 30.89"	W112° 03' 10.15"	55.1	3,965.4		TRIM/REMOVE
138875	CONICAL	TREE	N34° 42' 30.72"	W112° 03' 08.72"	51.5	3,961.8		TRIM/REMOVE
138883	CONICAL	TREE	N34° 42' 31.68"	W112° 03' 08.31"	56.5	3,966.8		TRIM/REMOVE
138891	CONICAL	TREE	N34° 42' 31.19"	W112° 03' 06.13"	44.8	3,955.1		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
CONICAL SURFACE PENETRATION GROUP *(CONT.)*								
138899	CONICAL	TREE	N34° 42' 30.16"	W112° 03' 05.55"	49.5	3,959.8		TRIM/REMOVE
138907	CONICAL	TREE	N34° 42' 29.09"	W112° 03' 05.44"	52.1	3,962.4		TRIM/REMOVE
138915	CONICAL	TREE	N34° 42' 28.21"	W112° 03' 03.91"	46.3	3,956.6		TRIM/REMOVE
138923	CONICAL	TREE	N34° 42' 32.18"	W112° 03' 04.45"	47.0	3,957.3		TRIM/REMOVE
138931	CONICAL	TREE	N34° 42' 31.08"	W112° 03' 03.83"	40.8	3,951.1		TRIM/REMOVE
138939	CONICAL	TREE	N34° 42' 32.08"	W112° 03' 03.24"	36.3	3,946.6		TRIM/REMOVE
138947	CONICAL	TREE	N34° 42' 32.86"	W112° 03' 03.67"	37.6	3,947.9		TRIM/REMOVE
138955	CONICAL	TREE	N34° 42' 34.30"	W112° 03' 03.31"	27.2	3,937.5		TRIM/REMOVE
138963	CONICAL	TREE	N34° 42' 33.09"	W112° 03' 02.37"	24.5	3,934.8		TRIM/REMOVE
138971	CONICAL	TREE	N34° 42' 32.00"	W112° 03' 00.31"	21.0	3,931.3		TRIM/REMOVE
138979	CONICAL	TREE	N34° 42' 31.17"	W112° 03' 00.54"	19.8	3,930.1		TRIM/REMOVE
138987	CONICAL	TREE	N34° 42' 29.00"	W112° 03' 02.46"	35.5	3,945.8		TRIM/REMOVE
138995	CONICAL	TREE	N34° 42' 25.09"	W112° 02' 59.49"	42.1	3,952.4		TRIM/REMOVE
139003	CONICAL	TREE	N34° 42' 26.01"	W112° 03' 00.29"	44.7	3,955.0		TRIM/REMOVE
139011	CONICAL	TREE	N34° 42' 24.12"	W112° 03' 01.74"	53.1	3,963.4		TRIM/REMOVE
139019	CONICAL	TREE	N34° 42' 22.78"	W112° 03' 02.55"	62.7	3,973.0		TRIM/REMOVE
139027	CONICAL	TREE	N34° 42' 23.18"	W112° 03' 04.40"	69.8	3,980.1		TRIM/REMOVE
139035	CONICAL	TREE	N34° 42' 22.28"	W112° 03' 05.79"	79.9	3,990.2		TRIM/REMOVE
139043	CONICAL	TREE	N34° 42' 22.52"	W112° 03' 06.78"	81.0	3,991.4		TRIM/REMOVE
139051	CONICAL	TREE	N34° 42' 22.70"	W112° 03' 07.86"	89.8	4,000.1		TRIM/REMOVE
139059	CONICAL	TREE	N34° 42' 21.30"	W112° 03' 08.68"	98.5	4,008.8		TRIM/REMOVE
139067	CONICAL	TREE	N34° 42' 20.53"	W112° 03' 07.65"	92.8	4,003.1		TRIM/REMOVE
139075	CONICAL	TREE	N34° 42' 24.22"	W112° 03' 10.00"	89.0	3,999.3		TRIM/REMOVE
139083	CONICAL	TREE	N34° 42' 24.31"	W112° 03' 08.40"	84.0	3,994.3		TRIM/REMOVE
139091	CONICAL	TREE	N34° 42' 25.77"	W112° 03' 08.39"	75.7	3,986.0		TRIM/REMOVE
139099	CONICAL	TREE	N34° 42' 25.55"	W112° 03' 10.51"	82.8	3,993.1		TRIM/REMOVE
139107	CONICAL	TREE	N34° 42' 24.60"	W112° 03' 11.52"	87.0	3,997.3		TRIM/REMOVE
139115	CONICAL	TREE	N34° 42' 26.24"	W112° 03' 14.28"	85.9	3,996.2		TRIM/REMOVE
139123	CONICAL	TREE	N34° 42' 27.42"	W112° 03' 13.38"	74.5	3,984.8		TRIM/REMOVE
139131	CONICAL	TREE	N34° 42' 28.40"	W112° 03' 12.91"	77.3	3,987.6		TRIM/REMOVE
139139	CONICAL	TREE	N34° 42' 29.53"	W112° 03' 13.32"	109.3	4,019.6		TRIM/REMOVE
139147	CONICAL	TREE	N34° 42' 28.49"	W112° 03' 15.17"	152.2	4,062.5		TRIM/REMOVE
139155	CONICAL	TREE	N34° 42' 29.77"	W112° 03' 15.18"	136.7	4,047.0		TRIM/REMOVE
139163	CONICAL	TREE	N34° 42' 29.82"	W112° 03' 17.41"	138.7	4,049.0		TRIM/REMOVE
139171	CONICAL	TREE	N34° 42' 30.07"	W112° 03' 16.44"	131.0	4,041.3		TRIM/REMOVE
139179	CONICAL	TREE	N34° 42' 31.35"	W112° 03' 17.59"	109.8	4,020.1		TRIM/REMOVE
139187	CONICAL	TREE	N34° 42' 30.73"	W112° 03' 18.63"	116.2	4,026.5		TRIM/REMOVE
139195	CONICAL	TREE	N34° 42' 31.85"	W112° 03' 19.11"	118.9	4,029.2		TRIM/REMOVE
139203	CONICAL	TREE	N34° 42' 33.66"	W112° 03' 19.59"	122.1	4,032.4		TRIM/REMOVE
139211	CONICAL	TREE	N34° 42' 34.21"	W112° 03' 20.71"	132.4	4,042.7		TRIM/REMOVE
139219	CONICAL	TREE	N34° 42' 35.21"	W112° 03' 20.06"	127.7	4,038.0		TRIM/REMOVE
139227	CONICAL	TREE	N34° 42' 35.43"	W112° 03' 17.61"	108.8	4,019.1		TRIM/REMOVE
139235	CONICAL	TREE	N34° 42' 36.09"	W112° 03' 18.15"	112.2	4,022.5		TRIM/REMOVE
139243	CONICAL	TREE	N34° 42' 37.31"	W112° 03' 19.32"	119.8	4,030.1		TRIM/REMOVE
139251	CONICAL	TREE	N34° 42' 36.41"	W112° 03' 19.09"	113.7	4,024.0		TRIM/REMOVE
139259	CONICAL	TREE	N34° 42' 37.28"	W112° 03' 18.29"	104.1	4,014.4		TRIM/REMOVE
139267	CONICAL	TREE	N34° 42' 34.02"	W112° 03' 17.29"	104.3	4,014.6		TRIM/REMOVE
139275	CONICAL	TREE	N34° 42' 32.45"	W112° 03' 17.05"	103.3	4,013.6		TRIM/REMOVE
139283	CONICAL	TREE	N34° 42' 31.43"	W112° 03' 16.41"	100.2	4,010.5		TRIM/REMOVE
139291	CONICAL	TREE	N34° 42' 30.58"	W112° 03' 15.40"	112.2	4,022.5		TRIM/REMOVE
139299	CONICAL	TREE	N34° 42' 30.69"	W112° 03' 14.00"	98.1	4,008.4		TRIM/REMOVE
139307	CONICAL	TREE	N34° 42' 31.45"	W112° 03' 13.03"	81.2	3,991.5		TRIM/REMOVE
139315	CONICAL	TREE	N34° 42' 24.85"	W112° 03' 06.40"	67.3	3,977.6		TRIM/REMOVE
139323	CONICAL	TREE	N34° 42' 23.77"	W112° 03' 06.43"	77.0	3,987.3		TRIM/REMOVE
139331	CONICAL	TREE	N34° 42' 23.24"	W112° 03' 10.49"	97.9	4,008.2		TRIM/REMOVE
139339	CONICAL	TREE	N34° 42' 22.25"	W112° 03' 09.72"	95.3	4,005.6		TRIM/REMOVE
139363	CONICAL	SCRUB	N34° 42' 10.01"	W112° 02' 53.82"	177.5	4,087.8		TRIM/REMOVE
139379	CONICAL	SCRUB	N34° 42' 09.23"	W112° 02' 50.86"	184.3	4,094.6		TRIM/REMOVE
139387	CONICAL	SCRUB	N34° 42' 09.51"	W112° 02' 49.47"	179.2	4,089.5		TRIM/REMOVE
139395	CONICAL	SCRUB	N34° 42' 10.08"	W112° 02' 47.94"	169.9	4,080.2		TRIM/REMOVE
139403	CONICAL	SCRUB	N34° 42' 09.10"	W112° 02' 48.25"	177.1	4,087.4		TRIM/REMOVE
139411	CONICAL	SCRUB	N34° 42' 07.91"	W112° 02' 47.78"	177.1	4,087.4		TRIM/REMOVE
139419	CONICAL	SCRUB	N34° 42' 06.89"	W112° 02' 47.03"	176.1	4,086.4		TRIM/REMOVE
139427	CONICAL	SCRUB	N34° 42' 06.16"	W112° 02' 45.82"	169.9	4,080.2		TRIM/REMOVE
139435	CONICAL	SCRUB	N34° 42' 06.61"	W112° 02' 44.34"	160.0	4,070.3		TRIM/REMOVE
139443	CONICAL	SCRUB	N34° 42' 08.12"	W112° 02' 44.63"	164.1	4,074.4		TRIM/REMOVE
139451	CONICAL	SCRUB	N34° 42' 09.31"	W112° 02' 45.63"	166.6	4,076.9		TRIM/REMOVE
139459	CONICAL	SCRUB	N34° 42' 08.46"	W112° 02' 46.69"	173.1	4,083.4		TRIM/REMOVE
139467	CONICAL	SCRUB	N34° 42' 07.82"	W112° 02' 46.17"	170.6	4,080.9		TRIM/REMOVE
139475	CONICAL	SCRUB	N34° 42' 10.10"	W112° 02' 46.65"	168.3	4,078.6		TRIM/REMOVE
139483	CONICAL	SCRUB	N34° 42' 11.10"	W112° 02' 47.26"	162.1	4,072.4		TRIM/REMOVE
139491	CONICAL	SCRUB	N34° 42' 12.19"	W112° 02' 47.42"	145.6	4,055.9		TRIM/REMOVE
139499	CONICAL	SCRUB	N34° 42' 11.57"	W112° 02' 46.41"	155.2	4,065.5		TRIM/REMOVE
139507	CONICAL	SCRUB	N34° 42' 10.07"	W112° 02' 45.32"	161.0	4,071.3		TRIM/REMOVE
139515	CONICAL	SCRUB	N34° 42' 11.52"	W112° 02' 44.62"	152.6	4,062.9		TRIM/REMOVE
139523	CONICAL	SCRUB	N34° 42' 11.96"	W112° 02' 43.66"	148.6	4,058.9		TRIM/REMOVE
139531	CONICAL	SCRUB	N34° 42' 11.78"	W112° 02' 42.51"	145.0	4,055.3		TRIM/REMOVE
139539	CONICAL	SCRUB	N34° 42' 13.12"	W112° 02' 42.59"	137.7	4,048.0		TRIM/REMOVE
139547	CONICAL	SCRUB	N34° 42' 12.40"	W112° 02' 41.87"	139.2	4,049.5		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
CONICAL SURFACE PENETRATION GROUP *(CONT.)*								
139555	CONICAL	SCRUB	N34° 42' 11.42"	W112° 02' 41.11"	140.8	4,051.1		TRIM/REMOVE
139563	CONICAL	SCRUB	N34° 42' 09.70"	W112° 02' 40.18"	141.3	4,051.6		TRIM/REMOVE
139571	CONICAL	SCRUB	N34° 42' 08.23"	W112° 02' 41.09"	144.0	4,054.3		TRIM/REMOVE
139579	CONICAL	SCRUB	N34° 42' 07.18"	W112° 02' 41.93"	147.4	4,057.7		TRIM/REMOVE
139587	CONICAL	SCRUB	N34° 42' 07.86"	W112° 02' 42.40"	151.2	4,061.5		TRIM/REMOVE
139595	CONICAL	SCRUB	N34° 42' 08.50"	W112° 02' 42.99"	155.1	4,065.4		TRIM/REMOVE
139603	CONICAL	SCRUB	N34° 42' 06.59"	W112° 02' 43.24"	155.8	4,066.1		TRIM/REMOVE
139611	CONICAL	SCRUB	N34° 42' 05.06"	W112° 02' 42.65"	143.8	4,054.1		TRIM/REMOVE
139619	CONICAL	SCRUB	N34° 42' 07.38"	W112° 02' 40.54"	140.2	4,050.5		TRIM/REMOVE
139627	CONICAL	SCRUB	N34° 42' 09.06"	W112° 02' 39.02"	134.0	4,044.3		TRIM/REMOVE
139635	CONICAL	SCRUB	N34° 42' 10.15"	W112° 02' 40.85"	142.6	4,052.9		TRIM/REMOVE
139643	CONICAL	TREE	N34° 42' 10.86"	W112° 02' 38.11"	130.2	4,040.5		TRIM/REMOVE
139651	CONICAL	TREE	N34° 42' 12.89"	W112° 02' 38.22"	126.8	4,037.1		TRIM/REMOVE
139667	CONICAL	SCRUB	N34° 42' 09.94"	W112° 02' 42.65"	149.0	4,059.3		TRIM/REMOVE
139675	CONICAL	SCRUB	N34° 42' 09.53"	W112° 02' 44.80"	160.3	4,070.6		TRIM/REMOVE
139683	CONICAL	SCRUB	N34° 42' 08.51"	W112° 02' 45.37"	165.6	4,075.9		TRIM/REMOVE
139787	CONICAL	SCRUB	N34° 42' 15.66"	W112° 02' 37.97"	103.1	4,013.4		TRIM/REMOVE
139795	CONICAL	SCRUB	N34° 42' 16.75"	W112° 02' 41.01"	74.2	3,984.5		TRIM/REMOVE
139803	CONICAL	SCRUB	N34° 42' 17.60"	W112° 02' 42.26"	42.9	3,953.2		TRIM/REMOVE
139811	CONICAL	SCRUB	N34° 42' 18.39"	W112° 02' 43.04"	21.6	3,932.0		TRIM/REMOVE
139819	CONICAL	SCRUB	N34° 42' 17.70"	W112° 02' 44.23"	28.0	3,938.3		TRIM/REMOVE
139827	CONICAL	SCRUB	N34° 42' 17.10"	W112° 02' 45.83"	33.8	3,944.1		TRIM/REMOVE
139835	CONICAL	SCRUB	N34° 42' 16.73"	W112° 02' 44.19"	50.7	3,961.0		TRIM/REMOVE
139843	CONICAL	SCRUB	N34° 42' 15.49"	W112° 02' 44.43"	86.5	3,996.8		TRIM/REMOVE
139851	CONICAL	SCRUB	N34° 42' 15.05"	W112° 02' 45.62"	86.0	3,996.3		TRIM/REMOVE
139859	CONICAL	SCRUB	N34° 42' 12.64"	W112° 02' 44.59"	144.0	4,054.3		TRIM/REMOVE
139867	CONICAL	SCRUB	N34° 42' 13.33"	W112° 02' 45.42"	131.5	4,041.8		TRIM/REMOVE
139875	CONICAL	SCRUB	N34° 42' 14.24"	W112° 02' 45.78"	107.9	4,018.2		TRIM/REMOVE
139883	CONICAL	SCRUB	N34° 42' 13.94"	W112° 02' 46.93"	107.0	4,017.3		TRIM/REMOVE
139891	CONICAL	SCRUB	N34° 42' 14.55"	W112° 02' 47.94"	84.5	3,994.8		TRIM/REMOVE
139899	CONICAL	SCRUB	N34° 42' 14.60"	W112° 02' 49.17"	79.7	3,990.0		TRIM/REMOVE
139907	CONICAL	SCRUB	N34° 42' 15.39"	W112° 02' 48.69"	65.1	3,975.4		TRIM/REMOVE
139915	CONICAL	SCRUB	N34° 42' 15.38"	W112° 02' 47.61"	67.7	3,978.0		TRIM/REMOVE
139923	CONICAL	SCRUB	N34° 42' 15.80"	W112° 02' 46.82"	61.1	3,971.4		TRIM/REMOVE
139931	CONICAL	SCRUB	N34° 42' 16.67"	W112° 02' 48.87"	40.1	3,950.4		TRIM/REMOVE
139939	CONICAL	SCRUB	N34° 42' 16.00"	W112° 02' 49.56"	49.7	3,960.0		TRIM/REMOVE
139947	CONICAL	SCRUB	N34° 42' 15.51"	W112° 02' 50.83"	59.9	3,970.2		TRIM/REMOVE
139955	CONICAL	SCRUB	N34° 42' 15.53"	W112° 02' 51.89"	61.5	3,971.8		TRIM/REMOVE
139963	CONICAL	SCRUB	N34° 42' 14.80"	W112° 02' 51.25"	72.8	3,983.1		TRIM/REMOVE
139971	CONICAL	SCRUB	N34° 42' 13.27"	W112° 02' 51.78"	103.1	4,013.4		TRIM/REMOVE
139979	CONICAL	SCRUB	N34° 42' 12.36"	W112° 02' 50.23"	130.1	4,040.4		TRIM/REMOVE
139987	CONICAL	SCRUB	N34° 42' 11.63"	W112° 02' 49.46"	151.2	4,061.5		TRIM/REMOVE
139995	CONICAL	SCRUB	N34° 42' 10.58"	W112° 02' 49.09"	170.0	4,080.3		TRIM/REMOVE
140003	CONICAL	SCRUB	N34° 42' 11.45"	W112° 02' 50.72"	146.5	4,056.8		TRIM/REMOVE
140011	CONICAL	SCRUB	N34° 42' 10.17"	W112° 02' 51.50"	171.9	4,082.2		TRIM/REMOVE
140019	CONICAL	SCRUB	N34° 42' 11.89"	W112° 02' 52.48"	126.1	4,036.4		TRIM/REMOVE
140027	CONICAL	SCRUB	N34° 42' 12.13"	W112° 02' 53.52"	118.3	4,028.6		TRIM/REMOVE
140035	CONICAL	SCRUB	N34° 42' 13.90"	W112° 02' 53.06"	85.5	3,995.8		TRIM/REMOVE
140043	CONICAL	TREE	N34° 42' 14.20"	W112° 02' 54.85"	85.9	3,996.2		TRIM/REMOVE
140051	CONICAL	SCRUB	N34° 42' 13.29"	W112° 02' 49.01"	112.2	4,022.5		TRIM/REMOVE
140059	CONICAL	SCRUB	N34° 42' 14.07"	W112° 02' 49.94"	87.4	3,997.7		TRIM/REMOVE
140067	CONICAL	SCRUB	N34° 42' 13.71"	W112° 02' 51.03"	92.7	4,003.0		TRIM/REMOVE
140075	CONICAL	SCRUB	N34° 42' 14.82"	W112° 02' 52.36"	71.5	3,981.8		TRIM/REMOVE
140083	CONICAL	TREE	N34° 42' 15.14"	W112° 02' 43.70"	105.8	4,016.1		TRIM/REMOVE
140091	CONICAL	TREE	N34° 42' 14.71"	W112° 02' 40.14"	126.2	4,036.5		TRIM/REMOVE
140099	CONICAL	SCRUB	N34° 42' 18.15"	W112° 02' 39.39"	41.8	3,952.1		TRIM/REMOVE
140107	CONICAL	SCRUB	N34° 42' 18.92"	W112° 02' 40.23"	17.9	3,928.2		TRIM/REMOVE
140115	CONICAL	SCRUB	N34° 42' 19.36"	W112° 02' 38.95"	13.5	3,923.8		TRIM/REMOVE
140163	CONICAL	TREE	N34° 42' 14.76"	W112° 02' 43.16"	121.3	4,031.6		TRIM/REMOVE
140171	CONICAL	TREE	N34° 42' 13.12"	W112° 02' 47.33"	132.4	4,042.7		TRIM/REMOVE
140179	CONICAL	TREE	N34° 42' 17.96"	W112° 02' 52.07"	72.1	3,982.4		TRIM/REMOVE
140187	CONICAL	TREE	N34° 42' 19.13"	W112° 02' 42.21"	15.7	3,926.0		TRIM/REMOVE
140195	CONICAL	SCRUB	N34° 42' 16.44"	W112° 02' 34.36"	89.3	3,999.6		TRIM/REMOVE
140203	CONICAL	SCRUB	N34° 42' 14.11"	W112° 02' 32.20"	23.0	3,933.3		TRIM/REMOVE
140395	CONICAL	TREE	N34° 42' 01.41"	W112° 02' 26.81"	97.4	4,007.7		TRIM/REMOVE
140667	CONICAL	TREE	N34° 42' 16.35"	W112° 02' 54.11"	77.8	3,988.1		TRIM/REMOVE
140675	CONICAL	TREE	N34° 42' 19.96"	W112° 03' 01.57"	104.6	4,014.9		TRIM/REMOVE
140683	CONICAL	TREE	N34° 42' 20.68"	W112° 03' 05.19"	85.6	3,995.9		TRIM/REMOVE
140691	CONICAL	TREE	N34° 42' 20.46"	W112° 03' 06.47"	92.3	4,002.6		TRIM/REMOVE
141331	CONICAL	TREE	N34° 42' 55.19"	W112° 03' 34.31"	90.5	4,000.8		TRIM/REMOVE
141347	CONICAL	TREE	N34° 42' 55.38"	W112° 03' 35.48"	102.8	4,013.1		TRIM/REMOVE
142051	CONICAL	TREE	N34° 43' 03.86"	W112° 03' 40.30"	77.2	3,987.5		TRIM/REMOVE
142059	CONICAL	TREE	N34° 43' 02.35"	W112° 03' 39.11"	68.9	3,979.2		TRIM/REMOVE
142235	CONICAL	TREE	N34° 42' 34.88"	W112° 03' 21.55"	137.4	4,047.7		TRIM/REMOVE
142243	CONICAL	TREE	N34° 42' 36.40"	W112° 03' 21.15"	127.5	4,037.8		TRIM/REMOVE
142251	CONICAL	TREE	N34° 42' 37.43"	W112° 03' 22.51"	136.1	4,046.4		TRIM/REMOVE
142259	CONICAL	TREE	N34° 42' 38.29"	W112° 03' 22.71"	134.4	4,044.7		TRIM/REMOVE
142267	CONICAL	TREE	N34° 42' 39.38"	W112° 03' 23.42"	135.5	4,045.8		TRIM/REMOVE
142275	CONICAL	TREE	N34° 42' 40.74"	W112° 03' 24.33"	133.6	4,043.9		TRIM/REMOVE

NOTES

1. SURVEY PERFORMED JULY 2020.
2. PART 77 SURFACES BASED ON 14 CFR PART 77.
3. PART 77 APPROACH SURFACES SHOWN ON SHEET 34 - INNER PORTION OF THE APPROACH SURFACE DRAWING; PART 77 APPROACH SURFACE OBSTRUCTIONS LISTED ON SHEETS 35-36.
4. TRAVERSEWAY ELEVATIONS INCLUDE THE FOLLOWING ADJUSTMENTS: PRIVATE ROADS: 10', PUBLIC ROADS: 15'. NO INTERSTATE HIGHWAYS OR RAILROADS ARE LOCATED IN THE IMMEDIATE VICINITY OF THE AIRPORT.
5. SURVEY IDENTIFIED A TOTAL OF 6,298 OBSTRUCTIONS TO PART 77 SURFACES, NOT INCLUDING PART 77 APPROACH SURFACES. OBSTRUCTIONS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT TOP 2% OF PENETRATIONS TO EACH PART 77 SURFACE.
6. OBSTRUCTION GROUPS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT APPROXIMATE LOCATION OF ALL OBSTRUCTIONS. COMPREHENSIVE LISTS OF OBSTRUCTIONS TO EACH PART 77 SURFACE, NOT INCLUDING PART 77 APPROACH SURFACES, ARE INCLUDED ON SHEETS 7-33.
7. OBSTRUCTION DESCRIPTIONS ARE GROUPED IN THE SUMMARY TABLE ON SHEET 6 - AIRPORT AIRSPACE DRAWING PER THE FOLLOWING: VEGETATION = BUSH, SCRUB, TREE; GROUND = GROUND; BUILDINGS/HANGARS = BUILDING, HANGAR; POLES/TOWERS = ANTENNA, BEACON, POLE, POLE_LIGHT, POLE_UTIL, POST, TRANSMISSION_PYLON, VERTICAL_POINT; NAVAIDS = PAPI, PAPI_CONTROL_BOX, REIL, SIGN, WINDSOCK; GROUND TRANSPORTATION = PARKING_LOT, ROAD - PRIVATE, ROAD - PUBLIC, STREET SIGN; UTILITY INFRASTRUCTURE = A/G PIPE, DAM, ELEC_BOX, MISC_UTIL, SOLAR_PANELS, TANK, TRANSFORMER; FENCE = FENCE, GATE; OTHER = CANOPY, DIRT_PILE, WALL
8. ALL HEIGHTS SHOWN IN FEET.
9. OBSTRUCTION HEIGHT ABOVE GROUND LEVEL PROVIDED WHERE AVAILABLE.
10. DEFINITIONS: PEN = PENETRATION; MSL = MEAN SEA LEVEL; AGL = ABOVE GROUND LEVEL; OL = OBSTRUCTION LIGHTING; DNH = DETERMINATION OF NO HAZARD

NO.	DATE	REVISIONS	BY	APPR.
5				
4				
3				
2				
1				

Kimley»Horn

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FAA DISCLAMER

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COTTONWOOD MUNICIPAL AIRPORT
COTTONWOOD, AZ

AIRPORT AIRSPACE DRAWING - PART 77 SURFACE PENETRATION TABLES (22 OF 27)

JOB NO. 291447000	DRAWN KH	CHECKED CBW	SHEET 28 OF 40
DATE: DECEMBER 2022	DESIGNED JTC	APPROVED CBW	

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
CONICAL SURFACE PENETRATION GROUP *(CONT.)*								
142283	CONICAL	TREE	N34° 42' 39.83"	W112° 03' 22.09"	121.8	4,032.1		TRIM/REMOVE
142291	CONICAL	TREE	N34° 42' 42.23"	W112° 03' 23.10"	118.8	4,029.1		TRIM/REMOVE
142299	CONICAL	TREE	N34° 42' 42.75"	W112° 03' 21.43"	107.4	4,017.7		TRIM/REMOVE
142307	CONICAL	TREE	N34° 42' 43.14"	W112° 03' 20.46"	93.5	4,003.8		TRIM/REMOVE
142315	CONICAL	TREE	N34° 42' 44.74"	W112° 03' 20.79"	90.7	4,001.0		TRIM/REMOVE
142323	CONICAL	TREE	N34° 42' 45.00"	W112° 03' 23.93"	97.1	4,007.4		TRIM/REMOVE
142331	CONICAL	TREE	N34° 42' 43.97"	W112° 03' 25.26"	108.3	4,018.6		TRIM/REMOVE
142339	CONICAL	TREE	N34° 42' 44.89"	W112° 03' 25.53"	109.1	4,019.4		TRIM/REMOVE
142347	CONICAL	TREE	N34° 42' 46.37"	W112° 03' 23.57"	84.6	3,994.9		TRIM/REMOVE
142355	CONICAL	TREE	N34° 42' 47.88"	W112° 03' 22.35"	69.2	3,979.5		TRIM/REMOVE
142363	CONICAL	TREE	N34° 42' 48.92"	W112° 03' 20.83"	56.1	3,966.4		TRIM/REMOVE
142371	CONICAL	TREE	N34° 42' 49.99"	W112° 03' 21.41"	45.0	3,955.3		TRIM/REMOVE
142379	CONICAL	TREE	N34° 42' 49.23"	W112° 03' 23.20"	52.6	3,962.9		TRIM/REMOVE
142387	CONICAL	TREE	N34° 42' 51.63"	W112° 03' 21.76"	30.6	3,940.9		TRIM/REMOVE
142395	CONICAL	TREE	N34° 42' 47.79"	W112° 03' 18.94"	54.9	3,965.2		TRIM/REMOVE
142403	CONICAL	TREE	N34° 42' 44.44"	W112° 03' 18.68"	76.6	3,986.9		TRIM/REMOVE
142411	CONICAL	TREE	N34° 42' 43.88"	W112° 03' 19.71"	83.2	3,993.5		TRIM/REMOVE
142419	CONICAL	TREE	N34° 42' 42.47"	W112° 03' 19.49"	91.3	4,001.6		TRIM/REMOVE
142427	CONICAL	TREE	N34° 42' 41.69"	W112° 03' 18.52"	90.7	4,001.0		TRIM/REMOVE
142435	CONICAL	TREE	N34° 42' 40.78"	W112° 03' 18.69"	93.4	4,003.7		TRIM/REMOVE
142443	CONICAL	TREE	N34° 42' 40.04"	W112° 03' 19.37"	109.5	4,019.8		TRIM/REMOVE
142451	CONICAL	TREE	N34° 42' 38.20"	W112° 03' 19.04"	108.4	4,018.7		TRIM/REMOVE
142459	CONICAL	TREE	N34° 42' 38.46"	W112° 03' 20.40"	117.8	4,028.1		TRIM/REMOVE
142467	CONICAL	TREE	N34° 42' 39.71"	W112° 03' 25.87"	149.1	4,059.4		TRIM/REMOVE
142555	CONICAL	TREE	N34° 42' 33.85"	W112° 03' 21.68"	138.8	4,049.1		TRIM/REMOVE
142563	CONICAL	TREE	N34° 42' 35.95"	W112° 03' 23.14"	145.8	4,056.1		TRIM/REMOVE
142571	CONICAL	TREE	N34° 42' 36.49"	W112° 03' 24.32"	151.0	4,061.3		TRIM/REMOVE
142579	CONICAL	TREE	N34° 42' 37.05"	W112° 03' 21.41"	128.4	4,038.7		TRIM/REMOVE
142587	CONICAL	TREE	N34° 42' 37.51"	W112° 03' 16.73"	93.9	4,004.2		TRIM/REMOVE
142595	CONICAL	TREE	N34° 42' 36.26"	W112° 03' 16.15"	93.9	4,004.2		TRIM/REMOVE
142603	CONICAL	TREE	N34° 42' 37.17"	W112° 03' 16.07"	92.2	4,002.5		TRIM/REMOVE
142611	CONICAL	TREE	N34° 42' 37.72"	W112° 03' 14.68"	80.8	3,991.1		TRIM/REMOVE
142619	CONICAL	TREE	N34° 42' 38.74"	W112° 03' 14.58"	79.3	3,989.6		TRIM/REMOVE
142627	CONICAL	TREE	N34° 42' 39.58"	W112° 03' 13.81"	68.6	3,978.9		TRIM/REMOVE
142635	CONICAL	TREE	N34° 42' 41.21"	W112° 03' 15.69"	73.3	3,983.6		TRIM/REMOVE
142643	CONICAL	TREE	N34° 42' 40.07"	W112° 03' 17.32"	85.6	3,995.9		TRIM/REMOVE
142651	CONICAL	TREE	N34° 42' 38.63"	W112° 03' 12.41"	59.4	3,969.7		TRIM/REMOVE
142659	CONICAL	TREE	N34° 42' 40.11"	W112° 03' 11.15"	52.1	3,962.4		TRIM/REMOVE
142667	CONICAL	TREE	N34° 42' 38.72"	W112° 03' 10.07"	42.7	3,953.0		TRIM/REMOVE
142675	CONICAL	TREE	N34° 42' 37.60"	W112° 03' 10.38"	44.2	3,954.5		TRIM/REMOVE
142683	CONICAL	TREE	N34° 42' 36.20"	W112° 03' 08.97"	43.9	3,954.2		TRIM/REMOVE
142691	CONICAL	TREE	N34° 42' 35.69"	W112° 03' 10.39"	57.0	3,967.3		TRIM/REMOVE
142699	CONICAL	TREE	N34° 42' 34.73"	W112° 03' 09.43"	51.0	3,961.3		TRIM/REMOVE
142707	CONICAL	TREE	N34° 42' 33.81"	W112° 03' 10.04"	55.8	3,966.1		TRIM/REMOVE
142715	CONICAL	TREE	N34° 42' 37.49"	W112° 03' 07.88"	32.4	3,942.7		TRIM/REMOVE
142723	CONICAL	TREE	N34° 42' 39.52"	W112° 03' 08.72"	33.8	3,944.1		TRIM/REMOVE
142731	CONICAL	TREE	N34° 42' 40.98"	W112° 03' 09.21"	35.1	3,945.4		TRIM/REMOVE
142739	CONICAL	TREE	N34° 42' 42.22"	W112° 03' 09.81"	31.3	3,941.6		TRIM/REMOVE
142747	CONICAL	TREE	N34° 42' 43.10"	W112° 03' 09.23"	21.3	3,931.6		TRIM/REMOVE
142755	CONICAL	TREE	N34° 42' 43.48"	W112° 03' 10.71"	29.9	3,940.2		TRIM/REMOVE
142763	CONICAL	TREE	N34° 42' 44.75"	W112° 03' 10.09"	19.1	3,929.4		TRIM/REMOVE
142771	CONICAL	TREE	N34° 42' 42.06"	W112° 03' 11.82"	42.2	3,952.5		TRIM/REMOVE
142779	CONICAL	TREE	N34° 42' 42.27"	W112° 03' 13.70"	53.8	3,964.1		TRIM/REMOVE
142787	CONICAL	TREE	N34° 42' 43.07"	W112° 03' 14.99"	59.0	3,969.3		TRIM/REMOVE
142795	CONICAL	TREE	N34° 42' 42.04"	W112° 03' 14.78"	60.0	3,970.3		TRIM/REMOVE
142803	CONICAL	TREE	N34° 42' 43.63"	W112° 03' 17.09"	71.3	3,981.6		TRIM/REMOVE
142811	CONICAL	TREE	N34° 42' 42.64"	W112° 03' 17.40"	74.6	3,984.9		TRIM/REMOVE
142819	CONICAL	TREE	N34° 42' 45.97"	W112° 03' 17.00"	53.6	3,963.9		TRIM/REMOVE
142827	CONICAL	TREE	N34° 42' 47.47"	W112° 03' 17.82"	52.5	3,962.8		TRIM/REMOVE
142835	CONICAL	TREE	N34° 42' 49.88"	W112° 03' 17.90"	37.7	3,948.0		TRIM/REMOVE
142843	CONICAL	TREE	N34° 42' 51.08"	W112° 03' 16.02"	20.2	3,930.5		TRIM/REMOVE
142851	CONICAL	TREE	N34° 42' 49.91"	W112° 03' 16.42"	28.5	3,938.8		TRIM/REMOVE
142859	CONICAL	TREE	N34° 42' 50.77"	W112° 03' 18.84"	31.9	3,942.2		TRIM/REMOVE
142867	CONICAL	TREE	N34° 42' 52.71"	W112° 03' 19.69"	18.4	3,928.7		TRIM/REMOVE
142875	CONICAL	TREE	N34° 42' 54.23"	W112° 03' 21.05"	17.3	3,927.6		TRIM/REMOVE
142883	CONICAL	TREE	N34° 42' 54.32"	W112° 03' 22.44"	14.8	3,925.1		TRIM/REMOVE
142891	CONICAL	TREE	N34° 42' 53.16"	W112° 03' 22.62"	23.9	3,934.2		TRIM/REMOVE
142899	CONICAL	TREE	N34° 42' 55.35"	W112° 03' 21.35"	4.8	3,915.1		TRIM/REMOVE
142907	CONICAL	TREE	N34° 42' 56.81"	W112° 03' 23.37"	6.4	3,916.7		TRIM/REMOVE
142915	CONICAL	TREE	N34° 42' 57.83"	W112° 03' 24.09"	1.6	3,911.9		TRIM/REMOVE
142939	CONICAL	TREE	N34° 42' 54.87"	W112° 03' 18.87"	0.7	3,911.0		TRIM/REMOVE
142995	CONICAL	TREE	N34° 42' 40.73"	W112° 03' 04.56"	5.7	3,916.0		TRIM/REMOVE
143003	CONICAL	TREE	N34° 42' 39.55"	W112° 03' 06.13"	18.4	3,928.7		TRIM/REMOVE
143011	CONICAL	TREE	N34° 42' 38.70"	W112° 03' 05.16"	20.0	3,930.3		TRIM/REMOVE
143019	CONICAL	TREE	N34° 42' 41.04"	W112° 03' 07.49"	19.7	3,930.0		TRIM/REMOVE
143027	CONICAL	TREE	N34° 42' 42.17"	W112° 03' 07.39"	17.3	3,927.6		TRIM/REMOVE
143035	CONICAL	TREE	N34° 42' 42.92"	W112° 03' 07.10"	15.5	3,925.8		TRIM/REMOVE
143043	CONICAL	TREE	N34° 42' 42.36"	W112° 03' 05.49"	1.4	3,911.7		TRIM/REMOVE
143051	CONICAL	TREE	N34° 42' 44.22"	W112° 03' 06.45"	3.0	3,913.3		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
CONICAL SURFACE PENETRATION GROUP *(CONT.)*								
143131	CONICAL	TREE	N34° 42' 38.95"	W112° 03' 02.32"	2.1	3,912.4		TRIM/REMOVE
143155	CONICAL	TREE	N34° 42' 37.39"	W112° 03' 05.75"	22.0	3,932.3		TRIM/REMOVE
143163	CONICAL	TREE	N34° 42' 34.27"	W112° 03' 05.91"	22.6	3,932.9		TRIM/REMOVE
143171	CONICAL	TREE	N34° 42' 35.08"	W112° 03' 07.79"	33.3	3,943.6		TRIM/REMOVE
143179	CONICAL	TREE	N34° 42' 34.62"	W112° 03' 14.32"	87.0	3,997.3		TRIM/REMOVE
143187	CONICAL	TREE	N34° 42' 33.42"	W112° 03' 15.09"	91.2	4,001.5		TRIM/REMOVE
143195	CONICAL	TREE	N34° 42' 32.78"	W112° 03' 14.09"	87.5	3,997.8		TRIM/REMOVE
143203	CONICAL	TREE	N34° 42' 35.64"	W112° 03' 14.25"	81.9	3,992.2		TRIM/REMOVE
143211	CONICAL	TREE	N34° 42' 35.23"	W112° 03' 15.12"	89.2	3,999.5		TRIM/REMOVE
143219	CONICAL	TREE	N34° 42' 36.72"	W112° 03' 13.81"	77.8	3,988.1		TRIM/REMOVE
143227	CONICAL	TREE	N34° 42' 37.26"	W112° 03' 12.35"	58.9	3,969.2		TRIM/REMOVE
143275	CONICAL	TREE	N34° 42' 27.54"	W112° 03' 14.39"	94.2	4,004.5		TRIM/REMOVE
143283	CONICAL	TREE	N34° 42' 28.74"	W112° 03' 14.00"	119.2	4,029.5		TRIM/REMOVE
143291	CONICAL	TREE	N34° 42' 29.25"	W112° 03' 12.47"	74.9	3,985.2		TRIM/REMOVE
143299	CONICAL	TREE	N34° 42' 31.78"	W112° 03' 12.04"	65.2	3,975.5		TRIM/REMOVE
143307	CONICAL	TREE	N34° 42' 32.89"	W112° 03' 12.08"	71.6	3,981.9		TRIM/REMOVE
143315	CONICAL	TREE	N34° 42' 32.11"	W112° 03' 09.87"	56.1	3,966.4		TRIM/REMOVE
143323	CONICAL	TREE	N34° 42' 32.65"	W112° 03' 08.79"	47.9	3,958.2		TRIM/REMOVE
143331	CONICAL	TREE	N34° 42' 32.48"	W112° 03' 07.98"	47.6	3,957.9		TRIM/REMOVE
143339	CONICAL	TREE	N34° 42' 32.48"	W112° 03' 06.46"	33.2	3,943.5		TRIM/REMOVE
143347	CONICAL	TREE	N34° 42' 34.52"	W112° 03' 07.17"	16.7	3,927.0		TRIM/REMOVE
143355	CONICAL	TREE	N34° 42' 35.59"	W112° 03' 09.01"	47.6	3,957.9		TRIM/REMOVE
143363	CONICAL	TREE	N34° 42' 35.17"	W112° 03' 04.77"	13.1	3,923.4		TRIM/REMOVE
143371	CONICAL	TREE	N34° 42' 36.28"	W112° 03' 05.58"	4.4	3,914.7		TRIM/REMOVE
143379	CONICAL	TREE	N34° 42' 32.17"	W112° 02' 59.09"	9.6	3,919.9		TRIM/REMOVE
143387	CONICAL	TREE	N34° 42' 30.88"	W112° 03' 02.70"	33.8	3,944.1		TRIM/REMOVE
143395	CONICAL	TREE	N34° 42' 30.16"	W112° 03' 03.68"	40.5	3,950.8		TRIM/REMOVE
143403	CONICAL	TREE	N34° 42' 29.21"	W112° 03' 06.87"	58.3	3,968.6		TRIM/REMOVE
143411	CONICAL	TREE	N34° 42' 27.34"	W112° 03' 07.05"	65.6	3,975.9		TRIM/REMOVE
143419	CONICAL	TREE	N34° 42' 26.85"	W112° 03' 06.08"	59.8	3,970.1		TRIM/REMOVE
143427	CONICAL	TREE	N34° 42' 26.31"	W112° 03' 09.35"	78.6	3,988.9		TRIM/REMOVE
143435	CONICAL	TREE	N34° 42' 27.43"	W112° 03' 08.95"	71.8	3,982.1		TRIM/REMOVE
143443	CONICAL	TREE	N34° 42' 25.65"	W112° 03' 11.48"	87.6	3,997.9		TRIM/REMOVE
143451	CONICAL	TREE	N34° 42' 29.43"	W112° 03' 09.43"	56.5	3,966.8		TRIM/REMOVE
143459	CONICAL	TREE	N34° 42' 30.92"	W112° 03' 11.12"	66.6	3,976.9		TRIM/REMOVE
143467	CONICAL	TREE	N34° 42' 29.92"	W112° 03' 11.74"	58.7	3,969.0		TRIM/REMOVE
143475	CONICAL	TREE	N34° 42' 24.52"	W112° 03' 05.49"	62.5	3,972.8		TRIM/REMOVE
143483	CONICAL	TREE	N34° 42' 21.60"	W112° 03' 04.37"	77.0	3,987.3		TRIM/REMOVE
143491	CONICAL	TREE	N34° 42' 20.88"	W112° 03' 03.02"	86.1	3,996.4		TRIM/REMOVE
143499	CONICAL	TREE	N34° 42' 21.34"	W112° 02' 59.81"	87.2	3,997.5		TRIM/REMOVE
143507	CONICAL	SCRUB	N34° 42' 18.88"	W112° 02' 59.34"	94.7	4,005.0		TRIM/REMOVE
143515	CONICAL	SCRUB	N34° 42' 18.62"	W112° 03' 00.87"	100.4	4,010.7		TRIM/REMOVE
143523	CONICAL	SCRUB	N34° 42' 17.78"	W112° 03' 01.34"	105.8	4,016.1		TRIM/REMOVE
143531	CONICAL	SCRUB	N34° 42' 17.36"	W112° 03' 03.04"	113.0	4,023.3		TRIM/REMOVE
143539	CONICAL	SCRUB	N34° 42' 17.17"	W112° 03' 04.26"	118.3	4,028.6		TRIM/REMOVE
143683	CONICAL	SCRUB	N34° 42' 12.63"	W112° 02' 58.11"	111.0	4,021.3		TRIM/REMOVE
143811	CONICAL	SCRUB	N34° 42' 12.79"	W112° 02' 53.96"	105.8	4,016.1		TRIM/REMOVE
143819	CONICAL	SCRUB	N34° 42' 17.40"	W112° 02' 47.74"	36.1	3,946.4		TRIM/REMOVE
143827	CONICAL	SCRUB	N34° 42' 17.81"	W112° 02' 48.76"	45.2	3,955.5		TRIM/REMOVE
143835	CONICAL	SCRUB	N34° 42' 17.43"	W112° 02' 49.84"	50.1	3,960.4		TRIM/REMOVE
143843	CONICAL	SCRUB	N34° 42' 19.24"	W112° 02' 50.10"	51.7	3,962.0		TRIM/REMOVE
143851	CONICAL	SCRUB	N34° 42' 19.09"	W112° 02' 48.18"	44.9	3,955.2		TRIM/REMOVE
143859	CONICAL	SCRUB	N34° 42' 18.08"	W112° 02' 46.08"	30.2	3,940.5		TRIM/REMOVE
143867	CONICAL	SCRUB	N34° 42' 18.53"	W112° 02' 45.18"	22.5	3,932.8		TRIM/REMOVE
143875	CONICAL	SCRUB	N34° 42' 20.49"	W112° 02' 42.70"	11.0	3,921.3		TRIM/REMOVE
143883	CONICAL	SCRUB	N34° 42' 20.93"	W112° 02' 41.32"	5.9	3,916.2		TRIM/REMOVE
143891	CONICAL	SCRUB	N34° 42' 21.86"	W112° 02' 40.21"	1.4	3,911.7		TRIM/REMOVE
144203	CONICAL	TREE	N34° 42' 18.95"	W112° 02' 31.66"	32.4	3,942.7		TRIM/REMOVE
144211	CONICAL	TREE	N34° 42' 17.43"	W112° 02' 33.39"	81.7	3,992.0		TRIM/REMOVE
144219	CONICAL	TREE	N34° 42' 12.01"	W112° 02' 33.01"	34.8	3,945.1		TRIM/REMOVE
144267	CONICAL	TREE	N34° 42' 16.26"	W112° 02' 43.91"	75.0	3,985.3		TRIM/REMOVE
144539	CONICAL	SCRUB	N34° 42' 19.08"	W112° 03' 07.18"	96.4	4,006.7		TRIM/REMOVE
144547	CONICAL	SCRUB	N34° 42' 19.44"	W112° 03' 06.16"	92.4	4,002.7		TRIM/REMOVE
144555	CONICAL	SCRUB	N34° 42' 22.44"	W112° 02' 55.86"	69.7	3,980.0		TRIM/REMOVE
144563	CONICAL	SCRUB	N34° 42' 21.51"	W112° 02' 55.17"	70.5	3,980.8		TRIM/REMOVE
144571	CONICAL	SCRUB	N34° 42' 20.40"	W112° 02' 54.59"	68.4	3,978.7		TRIM/REMOVE
144579	CONICAL	SCRUB	N34° 42' 19.21"	W112° 02' 54.01"	68.7	3,979.0		TRIM/REMOVE
144587	CONICAL	SCRUB	N34° 42' 18.93"	W112° 02' 52.22"	64.6	3,974.9		TRIM/REMOVE
144595	CONICAL	SCRUB	N34° 42' 19.84"	W112° 02' 51.34"	56.4	3,966.7		TRIM/REMOVE
144603	CONICAL	SCRUB	N34° 42' 21.12"	W112° 02' 50.71"	51.8	3,962.1		TRIM/REMOVE
144611	CONICAL	SCRUB	N34° 42' 22.92"	W112° 02' 51.41"	50.0	3,960.3		TRIM/REMOVE
144619	CONICAL	SCRUB	N34° 42' 23.43"	W112° 02' 53.14"	54.1	3,964.4		TRIM/REMOVE
144627	CONICAL	SCRUB	N34° 42' 22.89"	W112° 02' 54.39"	62.6	3,972.9		TRIM/REMOVE
144635	CONICAL	SCRUB	N34° 42' 21.25"	W112° 02' 53.15"	62.4	3,972.7		TRIM/REMOVE
144643	CONICAL	SCRUB	N34° 42' 20.79"	W112° 02' 48.40"	40.7	3,951.0		TRIM/REMOVE
144651	CONICAL	SCRUB	N34° 42' 20.86"	W112° 02' 47.00"	34.1	3,944.4		TRIM/REMOVE
144659	CONICAL	SCRUB	N34° 42' 19.84"	W112° 02' 46.74"	35.9	3,946.2		TRIM/REMOVE
144667	CONICAL	SCRUB	N34° 42' 21.86"	W112° 02' 47.51"	35.6	3,945.9		TRIM/REMOVE
144675	CONICAL	SCRUB	N34° 42' 22.69"	W112° 02' 48.20"	37.6	3,947.9		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
CONICAL SURFACE PENETRATION GROUP *(CONT.)*								
144683	CONICAL	SCRUB	N34° 42' 24.78"	W112° 02' 48.80"	17.3	3,927.6		TRIM/REMOVE
144691	CONICAL	SCRUB	N34° 42' 25.98"	W112° 02' 48.67"	0.1	3,910.4		TRIM/REMOVE
144699	CONICAL	SCRUB	N34° 42' 26.10"	W112° 02' 51.59"	3.2	3,913.5		TRIM/REMOVE
144707	CONICAL	SCRUB	N34° 42' 23.48"	W112° 02' 47.16"	27.2	3,937.5		TRIM/REMOVE
144715	CONICAL	SCRUB	N34° 42' 24.27"	W112° 02' 46.06"	22.9	3,933.2		TRIM/REMOVE
144723	CONICAL	SCRUB	N34° 42' 24.53"	W112° 02' 44.98"	17.3	3,927.6		TRIM/REMOVE
144731	CONICAL	SCRUB	N34° 42' 25.60"	W112° 02' 44.08"	16.5	3,926.8		TRIM/REMOVE
144739	CONICAL	SCRUB	N34° 42' 25.49"	W112° 02' 42.09"	8.9	3,919.2		TRIM/REMOVE
144747	CONICAL	SCRUB	N34° 42' 24.86"	W112° 02' 41.06"	3.1	3,913.4		TRIM/REMOVE
144755	CONICAL	SCRUB	N34° 42' 23.94"	W112° 02' 40.67"	1.5	3,911.8		TRIM/REMOVE
144763	CONICAL	SCRUB	N34° 42' 23.39"	W112° 02' 41.94"	9.6	3,919.9		TRIM/REMOVE
144771	CONICAL	SCRUB	N34° 42' 22.60"	W112° 02' 43.32"	15.8	3,926.1		TRIM/REMOVE
144779	CONICAL	SCRUB	N34° 42' 22.34"	W112° 02' 44.93"	24.2	3,934.5		TRIM/REMOVE
144787	CONICAL	SCRUB	N34° 42' 21.85"	W112° 02' 46.33"	29.7	3,940.0		TRIM/REMOVE
144795	CONICAL	SCRUB	N34° 42' 21.31"	W112° 02' 44.33"	21.6	3,932.0		TRIM/REMOVE
144803	CONICAL	SCRUB	N34° 42' 24.55"	W112° 02' 43.48"	14.3	3,924.6		TRIM/REMOVE
144811	CONICAL	SCRUB	N34° 42' 23.65"	W112° 02' 45.56"	22.5	3,932.8		TRIM/REMOVE
144819	CONICAL	SCRUB	N34° 42' 26.25"	W112° 02' 43.21"	16.6	3,926.9		TRIM/REMOVE
144827	CONICAL	SCRUB	N34° 42' 25.99"	W112° 02' 40.91"	7.7	3,918.0		TRIM/REMOVE
144835	CONICAL	SCRUB	N34° 42' 27.04"	W112° 02' 40.83"	17.7	3,928.0		TRIM/REMOVE
144843	CONICAL	SCRUB	N34° 42' 28.18"	W112° 02' 40.70"	33.0	3,943.3		TRIM/REMOVE
144851	CONICAL	SCRUB	N34° 42' 28.50"	W112° 02' 38.88"	29.3	3,939.6		TRIM/REMOVE
144859	CONICAL	SCRUB	N34° 42' 29.73"	W112° 02' 38.48"	39.2	3,949.5		TRIM/REMOVE
144867	CONICAL	SCRUB	N34° 42' 29.11"	W112° 02' 40.65"	39.6	3,949.9		TRIM/REMOVE
144875	CONICAL	SCRUB	N34° 42' 29.78"	W112° 02' 35.53"	30.9	3,941.2		TRIM/REMOVE
144883	CONICAL	SCRUB	N34° 42' 28.52"	W112° 02' 35.29"	7.0	3,917.3		TRIM/REMOVE
144899	CONICAL	SCRUB	N34° 42' 28.01"	W112° 02' 37.69"	12.7	3,923.0		TRIM/REMOVE
144915	CONICAL	SCRUB	N34° 42' 26.17"	W112° 02' 39.71"	2.3	3,912.6		TRIM/REMOVE
144971	CONICAL	SCRUB	N34° 42' 29.98"	W112° 02' 33.95"	19.3	3,929.6		TRIM/REMOVE
144979	CONICAL	SCRUB	N34° 42' 31.04"	W112° 02' 33.80"	23.8	3,934.1		TRIM/REMOVE
144987	CONICAL	SCRUB	N34° 42' 31.60"	W112° 02' 35.57"	2.2	3,912.5		TRIM/REMOVE
144995	CONICAL	SCRUB	N34° 42' 30.62"	W112° 02' 32.07"	6.8	3,917.1		TRIM/REMOVE
145091	CONICAL	SCRUB	N34° 42' 19.14"	W112° 02' 30.69"	12.6	3,922.9		TRIM/REMOVE
145123	CONICAL	SCRUB	N34° 42' 15.76"	W112° 03' 02.30"	112.9	4,023.2		TRIM/REMOVE
145131	CONICAL	SCRUB	N34° 42' 15.79"	W112° 03' 00.89"	107.0	4,017.3		TRIM/REMOVE
145139	CONICAL	SCRUB	N34° 42' 17.12"	W112° 03' 00.67"	104.4	4,014.7		TRIM/REMOVE
145147	CONICAL	SCRUB	N34° 42' 16.12"	W112° 02' 59.90"	100.9	4,011.2		TRIM/REMOVE
145155	CONICAL	SCRUB	N34° 42' 15.42"	W112° 02' 58.93"	98.1	4,008.4		TRIM/REMOVE
145163	CONICAL	SCRUB	N34° 42' 15.90"	W112° 02' 57.11"	89.0	3,999.3		TRIM/REMOVE
145171	CONICAL	SCRUB	N34° 42' 15.40"	W112° 02' 56.16"	82.7	3,993.0		TRIM/REMOVE
145179	CONICAL	SCRUB	N34° 42' 15.38"	W112° 02' 54.69"	74.0	3,984.3		TRIM/REMOVE
145187	CONICAL	SCRUB	N34° 42' 16.09"	W112° 02' 55.41"	81.2	3,991.5		TRIM/REMOVE
145195	CONICAL	SCRUB	N34° 42' 18.10"	W112° 02' 54.93"	74.9	3,985.2		TRIM/REMOVE
145203	CONICAL	SCRUB	N34° 42' 17.02"	W112° 02' 57.83"	89.5	3,999.8		TRIM/REMOVE
145211	CONICAL	SCRUB	N34° 42' 17.84"	W112° 02' 58.52"	92.3	4,002.6		TRIM/REMOVE
145219	CONICAL	SCRUB	N34° 42' 17.08"	W112° 02' 59.66"	98.4	4,008.7		TRIM/REMOVE
145227	CONICAL	SCRUB	N34° 42' 19.53"	W112° 03' 00.20"	95.4	4,005.7		TRIM/REMOVE
145235	CONICAL	SCRUB	N34° 42' 20.60"	W112° 03' 00.71"	92.7	4,003.0		TRIM/REMOVE
145243	CONICAL	SCRUB	N34° 42' 19.27"	W112° 02' 58.16"	88.5	3,998.8		TRIM/REMOVE
145251	CONICAL	SCRUB	N34° 42' 19.31"	W112° 02' 56.62"	78.9	3,989.2		TRIM/REMOVE
145259	CONICAL	SCRUB	N34° 42' 20.20"	W112° 02' 57.42"	81.0	3,991.4		TRIM/REMOVE
145267	CONICAL	SCRUB	N34° 42' 21.14"	W112° 02' 58.54"	83.0	3,993.3		TRIM/REMOVE
145275	CONICAL	SCRUB	N34° 42' 20.20"	W112° 02' 55.78"	75.5	3,985.8		TRIM/REMOVE
145283	CONICAL	SCRUB	N34° 42' 16.48"	W112° 02' 53.21"	67.8	3,978.1		TRIM/REMOVE
145291	CONICAL	SCRUB	N34° 42' 16.81"	W112° 02' 52.19"	63.8	3,974.1		TRIM/REMOVE
145299	CONICAL	SCRUB	N34° 42' 17.93"	W112° 02' 50.36"	55.6	3,965.9		TRIM/REMOVE
145307	CONICAL	SCRUB	N34° 42' 18.95"	W112° 02' 51.39"	58.8	3,969.1		TRIM/REMOVE
145315	CONICAL	SCRUB	N34° 42' 19.89"	W112° 02' 48.80"	44.5	3,954.8		TRIM/REMOVE
145323	CONICAL	SCRUB	N34° 42' 19.09"	W112° 02' 47.22"	39.3	3,949.6		TRIM/REMOVE
145331	CONICAL	SCRUB	N34° 42' 20.60"	W112° 02' 45.98"	31.8	3,942.1		TRIM/REMOVE
145339	CONICAL	SCRUB	N34° 42' 23.62"	W112° 02' 43.19"	13.9	3,924.2		TRIM/REMOVE
145347	CONICAL	SCRUB	N34° 42' 25.32"	W112° 02' 45.65"	18.4	3,928.7		TRIM/REMOVE
145795	CONICAL	TREE	N34° 42' 25.31"	W112° 02' 52.92"	21.8	3,932.1		TRIM/REMOVE
145803	CONICAL	TREE	N34° 42' 25.11"	W112° 02' 54.57"	25.5	3,935.8		TRIM/REMOVE
145811	CONICAL	TREE	N34° 42' 24.40"	W112° 03' 00.54"	46.5	3,956.8		TRIM/REMOVE
145819	CONICAL	TREE	N34° 42' 22.54"	W112° 03' 03.69"	71.3	3,981.6		TRIM/REMOVE
145827	CONICAL	SCRUB	N34° 42' 24.18"	W112° 02' 58.71"	37.0	3,947.3		TRIM/REMOVE
145835	CONICAL	SCRUB	N34° 42' 25.09"	W112° 02' 57.75"	30.8	3,941.1		TRIM/REMOVE
145843	CONICAL	SCRUB	N34° 42' 26.26"	W112° 02' 56.63"	21.2	3,931.5		TRIM/REMOVE
145851	CONICAL	SCRUB	N34° 42' 26.63"	W112° 02' 58.07"	22.6	3,932.9		TRIM/REMOVE
145859	CONICAL	SCRUB	N34° 42' 26.52"	W112° 02' 59.36"	29.0	3,939.3		TRIM/REMOVE
145867	CONICAL	TREE	N34° 42' 26.81"	W112° 03' 00.52"	42.6	3,952.9		TRIM/REMOVE
145875	CONICAL	TREE	N34° 42' 26.15"	W112° 03' 03.21"	52.8	3,963.1		TRIM/REMOVE
145883	CONICAL	TREE	N34° 42' 29.31"	W112° 02' 56.66"	16.6	3,926.9		TRIM/REMOVE
145891	CONICAL	TREE	N34° 42' 30.49"	W112° 02' 57.30"	10.4	3,920.7		TRIM/REMOVE
145899	CONICAL	TREE	N34° 42' 30.11"	W112° 02' 55.66"	8.5	3,918.8		TRIM/REMOVE
145907	CONICAL	TREE	N34° 42' 30.87"	W112° 02' 53.98"	2.0	3,912.3		TRIM/REMOVE
145971	CONICAL	SCRUB	N34° 42' 28.76"	W112° 02' 53.63"	1.5	3,911.8		TRIM/REMOVE
145979	CONICAL	SCRUB	N34° 42' 27.72"	W112° 02' 52.96"	1.8	3,912.2		TRIM/REMOVE

NOTES

1. SURVEY PERFORMED JULY 2020.
2. PART 77 SURFACES BASED ON 14 CFR PART 77.
3. PART 77 APPROACH SURFACES SHOWN ON SHEET 34 - INNER PORTION OF THE APPROACH SURFACE DRAWING; PART 77 APPROACH SURFACE OBSTRUCTIONS LISTED ON SHEETS 35-36.
4. TRAVERSEWAY ELEVATIONS INCLUDE THE FOLLOWING ADJUSTMENTS: PRIVATE ROADS: 10', PUBLIC ROADS: 15'. NO INTERSTATE HIGHWAYS OR RAILROADS ARE LOCATED IN THE IMMEDIATE VICINITY OF THE AIRPORT.
5. SURVEY IDENTIFIED A TOTAL OF 6,298 OBSTRUCTIONS TO PART 77 SURFACES, NOT INCLUDING PART 77 APPROACH SURFACES. OBSTRUCTIONS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT TOP 2% OF PENETRATIONS TO EACH PART 77 SURFACE.
6. OBSTRUCTION GROUPS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT APPROXIMATE LOCATION OF ALL OBSTRUCTIONS. COMPREHENSIVE LISTS OF OBSTRUCTIONS TO EACH PART 77 SURFACE, NOT INCLUDING PART 77 APPROACH SURFACES, ARE INCLUDED ON SHEETS 7-33.
7. OBSTRUCTION DESCRIPTIONS ARE GROUPED IN THE SUMMARY TABLE ON SHEET 6 - AIRPORT AIRSPACE DRAWING PER THE FOLLOWING: VEGETATION = BUSH, SCRUB, TREE; GROUND = GROUND; BUILDINGS/HANGARS = BUILDING, HANGAR; POLES/TOWERS = ANTENNA, BEACON, POLE, POLE_LIGHT, POLE_UTIL, POST, TRANSMISSION_PYLON, VERTICAL_POINT; NAVAIDS = PAPI, PAPI_CONTROL_BOX, REIL, SIGN, WINDSOCK; GROUND TRANSPORTATION = PARKING_LOT, ROAD - PRIVATE, ROAD - PUBLIC, STREET SIGN; UTILITY INFRASTRUCTURE = A/G PIPE, DAM, ELEC_BOX, MISC_UTIL, SOLAR_PANELS, TANK, TRANSFORMER; FENCE = FENCE, GATE; OTHER = CANOPY, DIRT_PILE, WALL
8. ALL HEIGHTS SHOWN IN FEET.
9. OBSTRUCTION HEIGHT ABOVE GROUND LEVEL PROVIDED WHERE AVAILABLE.
10. DEFINITIONS: PEN = PENETRATION; MSL = MEAN SEA LEVEL; AGL = ABOVE GROUND LEVEL; OL = OBSTRUCTION LIGHTING; DNH = DETERMINATION OF NO HAZARD

NO.	DATE	REVISIONS	BY	APPR.
5				
4				
3				
2				
1				

Kimley»Horn

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COTTONWOOD MUNICIPAL AIRPORT

COTTONWOOD, AZ

AIRPORT AIRSPACE DRAWING - PART 77 SURFACE PENETRATION TABLES (23 OF 27)

JOB NO. 291447000	DRAWN KH	CHECKED CBW	
DATE: DECEMBER 2022	DESIGNED JTC	APPROVED CBW	SHEET 29 OF 40

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
CONICAL SURFACE PENETRATION GROUP *(CONT.)*								
145987	CONICAL	SCRUB	N34° 42' 26.91"	W112° 02' 53.97"	4.7	3,915.0		TRIM/REMOVE
145995	CONICAL	SCRUB	N34° 42' 25.91"	W112° 02' 54.38"	9.6	3,919.9		TRIM/REMOVE
146003	CONICAL	SCRUB	N34° 42' 24.00"	W112° 02' 56.14"	47.3	3,957.6		TRIM/REMOVE
146011	CONICAL	SCRUB	N34° 42' 23.86"	W112° 02' 54.06"	53.1	3,963.4		TRIM/REMOVE
146019	CONICAL	SCRUB	N34° 42' 25.42"	W112° 02' 51.94"	10.9	3,921.2		TRIM/REMOVE
146027	CONICAL	SCRUB	N34° 42' 24.42"	W112° 02' 50.05"	26.1	3,936.4		TRIM/REMOVE
146035	CONICAL	SCRUB	N34° 42' 25.47"	W112° 02' 49.55"	6.9	3,917.2		TRIM/REMOVE
146227	CONICAL	TREE	N34° 42' 31.26"	W112° 03' 14.51"	92.8	4,003.1		TRIM/REMOVE
146235	CONICAL	TREE	N34° 42' 32.16"	W112° 03' 16.11"	96.5	4,006.8		TRIM/REMOVE
146243	CONICAL	SCRUB	N34° 42' 32.83"	W112° 03' 10.94"	57.3	3,967.6		TRIM/REMOVE
146251	CONICAL	SCRUB	N34° 42' 33.61"	W112° 03' 11.29"	60.6	3,970.9		TRIM/REMOVE
146259	CONICAL	SCRUB	N34° 42' 34.90"	W112° 03' 12.47"	64.8	3,975.1		TRIM/REMOVE
146267	CONICAL	SCRUB	N34° 42' 35.65"	W112° 03' 11.72"	56.3	3,966.6		TRIM/REMOVE
146275	CONICAL	SCRUB	N34° 42' 34.66"	W112° 03' 10.52"	52.7	3,963.0		TRIM/REMOVE
146283	CONICAL	TREE	N34° 42' 35.12"	W112° 03' 13.44"	76.5	3,986.8		TRIM/REMOVE
146291	CONICAL	SCRUB	N34° 42' 35.29"	W112° 03' 18.84"	108.6	4,018.9		TRIM/REMOVE
146299	CONICAL	SCRUB	N34° 42' 34.28"	W112° 03' 18.34"	105.4	4,015.7		TRIM/REMOVE
146307	CONICAL	SCRUB	N34° 42' 32.60"	W112° 03' 19.91"	117.8	4,028.1		TRIM/REMOVE
146475	CONICAL	TREE	N34° 42' 38.16"	W112° 03' 24.89"	147.9	4,058.2		TRIM/REMOVE
146483	CONICAL	TREE	N34° 42' 38.69"	W112° 03' 26.04"	153.6	4,063.9		TRIM/REMOVE
146499	CONICAL	TREE	N34° 42' 41.36"	W112° 03' 26.71"	145.9	4,056.2		TRIM/REMOVE
146507	CONICAL	TREE	N34° 42' 42.26"	W112° 03' 24.23"	119.2	4,029.5		TRIM/REMOVE
146515	CONICAL	TREE	N34° 42' 43.71"	W112° 03' 23.31"	108.0	4,018.3		TRIM/REMOVE
146603	CONICAL	SCRUB	N34° 42' 37.76"	W112° 03' 24.00"	143.3	4,053.6		TRIM/REMOVE
146611	CONICAL	TREE	N34° 42' 41.48"	W112° 03' 21.48"	104.1	4,014.4		TRIM/REMOVE
146619	CONICAL	TREE	N34° 42' 44.35"	W112° 03' 16.09"	60.4	3,970.7		TRIM/REMOVE
146627	CONICAL	TREE	N34° 42' 46.19"	W112° 03' 19.68"	69.8	3,980.1		TRIM/REMOVE
146635	CONICAL	TREE	N34° 42' 46.91"	W112° 03' 21.19"	71.5	3,981.8		TRIM/REMOVE
146643	CONICAL	TREE	N34° 42' 49.86"	W112° 03' 20.12"	45.0	3,955.3		TRIM/REMOVE
146651	CONICAL	TREE	N34° 42' 48.00"	W112° 03' 16.02"	34.3	3,944.6		TRIM/REMOVE
146659	CONICAL	TREE	N34° 42' 48.97"	W112° 03' 13.22"	16.9	3,927.2		TRIM/REMOVE
146667	CONICAL	TREE	N34° 42' 46.08"	W112° 03' 12.31"	25.2	3,935.5		TRIM/REMOVE
146675	CONICAL	TREE	N34° 42' 45.63"	W112° 03' 08.34"	9.3	3,919.6		TRIM/REMOVE
146739	CONICAL	TREE	N34° 42' 50.52"	W112° 03' 11.93"	1.6	3,911.9		TRIM/REMOVE
147443	CONICAL	TREE	N34° 42' 37.56"	W112° 03' 03.64"	18.7	3,929.0		TRIM/REMOVE
147451	CONICAL	TREE	N34° 42' 37.36"	W112° 03' 06.83"	26.0	3,936.3		TRIM/REMOVE
147459	CONICAL	TREE	N34° 42' 38.87"	W112° 03' 08.41"	32.3	3,942.6		TRIM/REMOVE
147467	CONICAL	TREE	N34° 42' 39.14"	W112° 03' 10.72"	48.0	3,958.3		TRIM/REMOVE
147475	CONICAL	TREE	N34° 42' 35.57"	W112° 03' 16.86"	103.4	4,013.7		TRIM/REMOVE
147515	CONICAL	TREE	N34° 42' 29.31"	W112° 03' 16.72"	158.8	4,069.1		TRIM/REMOVE
147531	CONICAL	TREE	N34° 42' 29.95"	W112° 03' 18.37"	133.9	4,044.2		TRIM/REMOVE
147539	CONICAL	TREE	N34° 42' 33.96"	W112° 03' 11.98"	65.8	3,976.1		TRIM/REMOVE
147547	CONICAL	TREE	N34° 42' 40.56"	W112° 03' 26.37"	139.3	4,049.6		TRIM/REMOVE
147563	CONICAL	TREE	N34° 42' 43.12"	W112° 03' 12.36"	42.8	3,953.1		TRIM/REMOVE
147571	CONICAL	TREE	N34° 42' 41.12"	W112° 03' 13.84"	56.9	3,967.2		TRIM/REMOVE
147579	CONICAL	TREE	N34° 42' 40.09"	W112° 03' 08.46"	31.4	3,941.7		TRIM/REMOVE
147587	CONICAL	TREE	N34° 42' 44.67"	W112° 03' 09.21"	17.7	3,928.0		TRIM/REMOVE
147595	CONICAL	TREE	N34° 42' 39.36"	W112° 03' 07.35"	22.6	3,932.9		TRIM/REMOVE
147611	CONICAL	TREE	N34° 42' 45.72"	W112° 03' 07.49"	2.5	3,912.8		TRIM/REMOVE
147651	CONICAL	TREE	N34° 42' 51.43"	W112° 03' 13.16"	4.0	3,914.3		TRIM/REMOVE
147659	CONICAL	TREE	N34° 42' 49.69"	W112° 03' 13.56"	16.5	3,926.8		TRIM/REMOVE
147667	CONICAL	TREE	N34° 42' 34.44"	W112° 03' 22.56"	147.4	4,057.7		TRIM/REMOVE
147699	CONICAL	TREE	N34° 42' 47.92"	W112° 03' 30.78"	98.9	4,009.2		TRIM/REMOVE
147707	CONICAL	TREE	N34° 42' 46.82"	W112° 03' 29.12"	96.8	4,007.1		TRIM/REMOVE
147715	CONICAL	TREE	N34° 42' 50.95"	W112° 03' 31.82"	95.8	4,006.1		TRIM/REMOVE
147723	CONICAL	TREE	N34° 42' 51.47"	W112° 03' 32.45"	82.9	3,993.2		TRIM/REMOVE
147755	CONICAL	TREE	N34° 42' 52.40"	W112° 03' 33.25"	74.9	3,985.2		TRIM/REMOVE
147763	CONICAL	TREE	N34° 42' 52.11"	W112° 03' 31.90"	61.3	3,971.6		TRIM/REMOVE
147771	CONICAL	TREE	N34° 42' 51.82"	W112° 03' 30.02"	65.6	3,975.9		TRIM/REMOVE
147779	CONICAL	TREE	N34° 42' 51.75"	W112° 03' 28.62"	70.2	3,980.5		TRIM/REMOVE
147787	CONICAL	TREE	N34° 42' 51.80"	W112° 03' 27.14"	63.6	3,973.9		TRIM/REMOVE
147795	CONICAL	TREE	N34° 42' 52.72"	W112° 03' 27.79"	45.5	3,955.8		TRIM/REMOVE
147803	CONICAL	TREE	N34° 42' 53.67"	W112° 03' 28.66"	35.0	3,945.3		TRIM/REMOVE
147811	CONICAL	TREE	N34° 42' 54.72"	W112° 03' 29.54"	37.4	3,947.7		TRIM/REMOVE
147819	CONICAL	TREE	N34° 42' 54.25"	W112° 03' 30.80"	46.9	3,957.2		TRIM/REMOVE
147827	CONICAL	TREE	N34° 42' 53.12"	W112° 03' 30.53"	53.6	3,963.9		TRIM/REMOVE
147835	CONICAL	TREE	N34° 42' 53.55"	W112° 03' 31.48"	56.9	3,967.2		TRIM/REMOVE
147843	CONICAL	TREE	N34° 42' 54.34"	W112° 03' 32.24"	64.8	3,975.1		TRIM/REMOVE
147851	CONICAL	TREE	N34° 42' 53.57"	W112° 03' 33.34"	83.9	3,994.2		TRIM/REMOVE
147859	CONICAL	TREE	N34° 42' 56.28"	W112° 03' 34.31"	77.0	3,987.3		TRIM/REMOVE
147867	CONICAL	TREE	N34° 42' 57.18"	W112° 03' 35.58"	84.5	3,994.8		TRIM/REMOVE
147875	CONICAL	TREE	N34° 42' 58.72"	W112° 03' 35.84"	119.2	4,029.5		TRIM/REMOVE
147907	CONICAL	TREE	N34° 42' 54.13"	W112° 03' 27.48"	32.5	3,942.8		TRIM/REMOVE
147915	CONICAL	TREE	N34° 42' 53.61"	W112° 03' 26.76"	36.9	3,947.2		TRIM/REMOVE
147923	CONICAL	TREE	N34° 42' 53.54"	W112° 03' 25.46"	38.5	3,948.8		TRIM/REMOVE
147931	CONICAL	TREE	N34° 42' 50.90"	W112° 03' 24.89"	36.0	3,946.3		TRIM/REMOVE
147939	CONICAL	TREE	N34° 42' 50.09"	W112° 03' 23.55"	45.7	3,956.0		TRIM/REMOVE
147947	CONICAL	TREE	N34° 42' 48.52"	W112° 03' 24.68"	68.8	3,979.1		TRIM/REMOVE
147955	CONICAL	TREE	N34° 42' 47.43"	W112° 03' 27.66"	79.8	3,990.1		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
CONICAL SURFACE PENETRATION GROUP *(CONT.)*								
148043	CONICAL	TREE	N34° 42' 39.91"	W112° 03' 12.95"	57.8	3,968.1		TRIM/REMOVE
148051	CONICAL	TREE	N34° 42' 41.58"	W112° 03' 05.82"	8.4	3,918.7		TRIM/REMOVE
149295	CONICAL	TREE	N34° 42' 31.35"	W112° 02' 37.61"	2.8	3,913.1		TRIM/REMOVE
149319	CONICAL	TREE	N34° 42' 31.86"	W112° 02' 34.62"	2.2	3,912.5		TRIM/REMOVE
149375	CONICAL	TREE	N34° 42' 28.74"	W112° 02' 43.09"	13.0	3,923.3		TRIM/REMOVE
149383	CONICAL	SCRUB	N34° 42' 27.21"	W112° 02' 43.62"	12.1	3,922.4		TRIM/REMOVE
149399	CONICAL	SCRUB	N34° 42' 23.81"	W112° 03' 07.56"	75.7	3,986.0		TRIM/REMOVE
149407	CONICAL	TREE	N34° 42' 30.31"	W112° 02' 54.61"	5.2	3,915.5		TRIM/REMOVE
149487	CONICAL	TREE	N34° 42' 28.64"	W112° 02' 52.78"	2.2	3,912.5		TRIM/REMOVE
149495	CONICAL	TREE	N34° 42' 30.04"	W112° 03' 09.76"	51.5	3,961.8		TRIM/REMOVE
149503	CONICAL	TREE	N34° 42' 30.34"	W112° 03' 13.18"	95.9	4,006.2		TRIM/REMOVE
149527	CONICAL	TREE	N34° 42' 22.01"	W112° 03' 01.74"	63.1	3,973.4		TRIM/REMOVE
149535	CONICAL	TREE	N34° 42' 24.69"	W112° 02' 55.90"	35.8	3,946.1		TRIM/REMOVE
171476	CONICAL	TREE	N34° 42' 52.57"	W112° 03' 17.39"	11.4	3,921.7		TRIM/REMOVE
171484	CONICAL	TREE	N34° 42' 52.07"	W112° 03' 18.47"	20.4	3,930.7		TRIM/REMOVE
171492	CONICAL	TREE	N34° 42' 51.54"	W112° 03' 15.49"	14.7	3,925.0		TRIM/REMOVE
171500	CONICAL	TREE	N34° 42' 49.95"	W112° 03' 15.27"	20.8	3,931.1		TRIM/REMOVE
171508	CONICAL	TREE	N34° 42' 45.55"	W112° 03' 20.93"	83.9	3,994.2		TRIM/REMOVE
171516	CONICAL	TREE	N34° 42' 46.28"	W112° 03' 26.92"	91.7	4,002.0		TRIM/REMOVE
171524	CONICAL	TREE	N34° 42' 46.82"	W112° 03' 28.14"	90.9	4,001.3		TRIM/REMOVE
171532	CONICAL	TREE	N34° 42' 43.82"	W112° 03' 29.10"	175.5	4,085.8		TRIM/REMOVE
171556	CONICAL	TREE	N34° 42' 43.35"	W112° 03' 21.75"	103.6	4,013.9		TRIM/REMOVE
171580	CONICAL	TREE	N34° 42' 37.49"	W112° 03' 13.71"	74.7	3,985.0		TRIM/REMOVE
171588	CONICAL	TREE	N34° 42' 41.73"	W112° 03' 12.47"	47.9	3,958.2		TRIM/REMOVE
171820	CONICAL	TREE	N34° 42' 38.60"	W112° 03' 17.60"	96.8	4,007.1		TRIM/REMOVE
171828	CONICAL	TREE	N34° 42' 37.06"	W112° 03' 20.34"	123.9	4,034.2		TRIM/REMOVE
171836	CONICAL	TREE	N34° 42' 46.67"	W112° 03' 08.67"	0.6	3,910.9		TRIM/REMOVE
172348	CONICAL	TREE	N34° 42' 57.27"	W112° 03' 22.45"	0.6	3,910.9		TRIM/REMOVE
172356	CONICAL	TREE	N34° 42' 56.06"	W112° 03' 22.54"	3.0	3,913.3		TRIM/REMOVE
172364	CONICAL	TREE	N34° 42' 55.16"	W112° 03' 22.69"	4.6	3,914.9		TRIM/REMOVE
172372	CONICAL	TREE	N34° 42' 55.40"	W112° 03' 24.67"	21.5	3,931.8		TRIM/REMOVE
172380	CONICAL	TREE	N34° 42' 55.57"	W112° 03' 26.74"	28.3	3,938.6		TRIM/REMOVE
172388	CONICAL	TREE	N34° 42' 54.47"	W112° 03' 26.77"	28.1	3,938.4		TRIM/REMOVE
172396	CONICAL	TREE	N34° 42' 55.73"	W112° 03' 28.68"	31.8	3,942.1		TRIM/REMOVE
172404	CONICAL	TREE	N34° 42' 56.06"	W112° 03' 29.81"	30.9	3,941.2		TRIM/REMOVE
172412	CONICAL	TREE	N34° 42' 56.80"	W112° 03' 30.57"	54.3	3,964.6		TRIM/REMOVE
172420	CONICAL	TREE	N34° 42' 55.09"	W112° 03' 31.62"	50.9	3,961.2		TRIM/REMOVE
172428	CONICAL	TREE	N34° 42' 56.27"	W112° 03' 32.65"	53.2	3,963.5		TRIM/REMOVE
172436	CONICAL	TREE	N34° 42' 57.18"	W112° 03' 33.79"	74.0	3,984.3		TRIM/REMOVE
172476	CONICAL	TREE	N34° 42' 51.05"	W112° 03' 23.46"	35.8	3,946.1		TRIM/REMOVE
172484	CONICAL	TREE	N34° 42' 51.96"	W112° 03' 23.08"	35.0	3,945.3		TRIM/REMOVE
172492	CONICAL	TREE	N34° 42' 52.72"	W112° 03' 24.61"	33.4	3,943.7		TRIM/REMOVE
172508	CONICAL	TREE	N34° 42' 55.98"	W112° 03' 25.49"	14.0	3,924.3		TRIM/REMOVE
172516	CONICAL	TREE	N34° 42' 54.00"	W112° 03' 19.76"	9.9	3,920.2		TRIM/REMOVE
172556	CONICAL	TREE	N34° 42' 50.63"	W112° 03' 13.86"	8.4	3,918.7		TRIM/REMOVE
172564	CONICAL	TREE	N34° 42' 48.36"	W112° 03' 12.31"	12.1	3,922.4		TRIM/REMOVE
172572	CONICAL	TREE	N34° 42' 46.82"	W112° 03' 11.45"	15.7	3,926.0		TRIM/REMOVE
172580	CONICAL	TREE	N34° 42' 45.06"	W112° 03' 12.33"	28.2	3,938.5		TRIM/REMOVE
172604	CONICAL	TREE	N34° 42' 41.51"	W112° 03' 04.55"	0.4	3,910.7		TRIM/REMOVE
172612	CONICAL	TREE	N34° 42' 39.96"	W112° 03' 04.12"	3.8	3,914.1		TRIM/REMOVE
172620	CONICAL	TREE	N34° 42' 38.45"	W112° 03' 03.95"	10.6	3,920.9		TRIM/REMOVE
172628	CONICAL	TREE	N34° 42' 37.58"	W112° 03' 04.89"	16.2	3,926.5		TRIM/REMOVE
172684	CONICAL	TREE	N34° 42' 35.67"	W112° 03' 03.73"	9.4	3,919.7		TRIM/REMOVE
172692	CONICAL	TREE	N34° 42' 35.26"	W112° 03' 05.90"	14.1	3,924.4		TRIM/REMOVE
172700	CONICAL	TREE	N34° 42' 34.78"	W112° 03' 02.39"	20.4	3,930.7		TRIM/REMOVE
173236	CONICAL	SCRUB	N34° 42' 48.36"	W112° 03' 11.07"	0.1	3,910.4		TRIM/REMOVE
173244	CONICAL	SCRUB	N34° 42' 47.27"	W112° 03' 10.63"	3.6	3,913.9		TRIM/REMOVE
173252	CONICAL	SCRUB	N34° 42' 46.86"	W112° 03' 09.66"	1.5	3,911.8		TRIM/REMOVE
173260	CONICAL	SCRUB	N34° 42' 45.70"	W112° 03' 10.34"	8.3	3,918.6		TRIM/REMOVE
173268	CONICAL	SCRUB	N34° 42' 45.30"	W112° 03' 11.30"	16.6	3,926.9		TRIM/REMOVE
173276	CONICAL	SCRUB	N34° 42' 44.25"	W112° 03' 11.74"	24.4	3,934.7		TRIM/REMOVE
173284	CONICAL	TREE	N34° 42' 44.50"	W112° 03' 13.05"	34.8	3,945.1		TRIM/REMOVE
173292	CONICAL	SCRUB	N34° 42' 43.82"	W112° 03' 12.46"	34.0	3,944.3		TRIM/REMOVE
173300	CONICAL	SCRUB	N34° 42' 43.78"	W112° 03' 13.70"	41.2	3,951.5		TRIM/REMOVE
173308	CONICAL	SCRUB	N34° 42' 44.88"	W112° 03' 14.37"	40.0	3,950.3		TRIM/REMOVE
173316	CONICAL	SCRUB	N34° 42' 45.86"	W112° 03' 14.95"	38.1	3,948.4		TRIM/REMOVE
173324	CONICAL	SCRUB	N34° 42' 45.72"	W112° 03' 16.04"	42.9	3,953.2		TRIM/REMOVE
173332	CONICAL	SCRUB	N34° 42' 45.40"	W112° 03' 17.82"	54.9	3,965.2		TRIM/REMOVE
173340	CONICAL	SCRUB	N34° 42' 46.48"	W112° 03' 13.94"	26.6	3,936.9		TRIM/REMOVE
173348	CONICAL	SCRUB	N34° 42' 47.37"	W112° 03' 14.70"	27.5	3,937.8		TRIM/REMOVE
173356	CONICAL	SCRUB	N34° 42' 46.93"	W112° 03' 12.77"	18.1	3,928.4		TRIM/REMOVE
173364	CONICAL	SCRUB	N34° 42' 48.37"	W112° 03' 14.12"	18.7	3,929.0		TRIM/REMOVE
173372	CONICAL	SCRUB	N34° 42' 48.85"	W112° 03' 16.69"	31.5	3,941.9		TRIM/REMOVE
173380	CONICAL	SCRUB	N34° 42' 47.54"	W112° 03' 16.96"	38.5	3,948.8		TRIM/REMOVE
173388	CONICAL	SCRUB	N34° 42' 45.60"	W112° 03' 18.87"	61.9	3,972.2		TRIM/REMOVE
173396	CONICAL	SCRUB	N34° 42' 47.15"	W112° 03' 19.56"	56.7	3,967.0		TRIM/REMOVE
173404	CONICAL	SCRUB	N34° 42' 38.30"	W112° 03' 15.77"	78.1	3,988.4		TRIM/REMOVE
173412	CONICAL	SCRUB	N34° 42' 39.36"	W112° 03' 16.08"	79.9	3,990.2		TRIM/REMOVE
173420	CONICAL	SCRUB	N34° 42' 40.51"	W112° 03' 16.47"	76.3	3,986.6		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
CONICAL SURFACE PENETRATION GROUP *(CONT.)*								
173428	CONICAL	SCRUB	N34° 42' 39.52"	W112° 03' 18.12"	95.2	4,005.5		TRIM/REMOVE
173436	CONICAL	SCRUB	N34° 42' 39.47"	W112° 03' 20.79"	112.7	4,023.0		TRIM/REMOVE
173444	CONICAL	SCRUB	N34° 42' 36.08"	W112° 03' 22.11"	130.3	4,040.6		TRIM/REMOVE
173452	CONICAL	SCRUB	N34° 42' 35.56"	W112° 03' 20.93"	125.7	4,036.0		TRIM/REMOVE
173524	CONICAL	SCRUB	N34° 42' 33.43"	W112° 03' 18.58"	110.5	4,020.8		TRIM/REMOVE
173532	CONICAL	SCRUB	N34° 42' 35.33"	W112° 03' 16.05"	88.2	3,998.5		TRIM/REMOVE
173540	CONICAL	SCRUB	N34° 42' 36.53"	W112° 03' 11.67"	52.7	3,963.0		TRIM/REMOVE
173548	CONICAL	SCRUB	N34° 42' 37.76"	W112° 03' 11.50"	47.3	3,957.6		TRIM/REMOVE
173556	CONICAL	SCRUB	N34° 42' 38.75"	W112° 03' 11.59"	47.4	3,957.7		TRIM/REMOVE
173564	CONICAL	SCRUB	N34° 42' 38.98"	W112° 03' 13.21"	59.3	3,969.6		TRIM/REMOVE
173572	CONICAL	SCRUB	N34° 42' 38.18"	W112° 03' 14.02"	67.7	3,978.0		TRIM/REMOVE
173580	CONICAL	SCRUB	N34° 42' 41.12"	W112° 03' 10.77"	35.9	3,946.2		TRIM/REMOVE
173588	CONICAL	SCRUB	N34° 42' 42.87"	W112° 03' 08.38"	10.5	3,920.8		TRIM/REMOVE
173596	CONICAL	SCRUB	N34° 42' 41.81"	W112° 03' 09.10"	21.3	3,931.6		TRIM/REMOVE
173604	CONICAL	SCRUB	N34° 42' 41.04"	W112° 03' 08.41"	18.2	3,928.5		TRIM/REMOVE
173612	CONICAL	SCRUB	N34° 42' 40.28"	W112° 03' 07.31"	19.4	3,929.7		TRIM/REMOVE
173620	CONICAL	SCRUB	N34° 42' 40.03"	W112° 03' 05.26"	5.1	3,915.4		TRIM/REMOVE
173628	CONICAL	SCRUB	N34° 42' 38.40"	W112° 03' 07.61"	22.3	3,932.6		TRIM/REMOVE
173636	CONICAL	SCRUB	N34° 42' 36.36"	W112° 03' 07.08"	26.4	3,936.7		TRIM/REMOVE
173644	CONICAL	SCRUB	N34° 42' 36.91"	W112° 03' 08.64"	34.3	3,944.6		TRIM/REMOVE
173652	CONICAL	SCRUB	N34° 42' 37.00"	W112° 03' 09.73"	38.9	3,949.2		TRIM/REMOVE
173660	CONICAL	SCRUB	N34° 42' 37.06"	W112° 03' 10.93"	46.8	3,957.1		TRIM/REMOVE
173668	CONICAL	SCRUB	N34° 42' 38.06"	W112° 03' 08.64"	29.2	3,939.5		TRIM/REMOVE
174044	CONICAL	SCRUB	N34° 42' 43.96"	W112° 03' 08.82"	7.4	3,917.7		TRIM/REMOVE
174052	CONICAL	SCRUB	N34° 42' 43.93"	W112° 03' 09.85"	13.7	3,924.0		TRIM/REMOVE
174060	CONICAL	SCRUB	N34° 42' 43.45"	W112° 03' 11.59"	28.2	3,938.5		TRIM/REMOVE
174068	CONICAL	SCRUB	N34° 42' 40.96"	W112° 03' 12.95"	46.3	3,956.6		TRIM/REMOVE
174836	CONICAL	TREE	N34° 43' 08.34"	W112° 03' 32.86"	0.7	3,911.0		TRIM/REMOVE
174908	CONICAL	TREE	N34° 43' 15.46"	W112° 03' 29.98"	5.9	3,916.2		TRIM/REMOVE
174916	CONICAL	TREE	N34° 43' 17.07"	W112° 03' 29.93"	24.7	3,935.0		TRIM/REMOVE
174924	CONICAL	TREE	N34° 43' 16.05"	W112° 03' 29.04"	2.5	3,912.8		TRIM/REMOVE
174980	CONICAL	TREE	N34° 43' 06.89"	W112° 03' 27.68"	10.3	3,920.6		TRIM/REMOVE
174988	CONICAL	TREE	N34° 43' 05.96"	W112° 03' 28.77"	29.7	3,940.0		TRIM/REMOVE
174996	CONICAL	TREE	N34° 43' 06.70"	W112° 03' 29.66"	1.6	3,911.9		TRIM/REMOVE
175004	CONICAL	TREE	N34° 43' 05.42"	W112° 03' 31.66"	5.3	3,915.6		TRIM/REMOVE
175012	CONICAL	TREE	N34° 43' 05.52"	W112° 03' 33.70"	4.4	3,914.7		TRIM/REMOVE
175020	CONICAL	TREE	N34° 43' 05.00"	W112° 03' 34.56"	11.4	3,921.7		TRIM/REMOVE
175028	CONICAL	TREE	N34° 43' 03.90"	W112° 03' 34.98"	26.6	3,936.9		TRIM/REMOVE
175036	CONICAL	TREE	N34° 43' 02.78"	W112° 03' 33.29"	43.3	3,953.6		TRIM/REMOVE
175044	CONICAL	TREE	N34° 43' 02.10"	W112° 03' 34.21"	54.6	3,964.9		TRIM/REMOVE
175052	CONICAL	TREE	N34° 43' 01.87"	W112° 03' 35.63"	49.2	3,959.5		TRIM/REMOVE
175060	CONICAL	TREE	N34° 43' 03.10"	W112° 03' 36.98"	38.7	3,949.0		TRIM/REMOVE
175068	CONICAL	TREE	N34° 43' 02.06"	W112° 03' 37.88"	48.8	3,959.1		TRIM/REMOVE
175076	CONICAL	TREE	N34° 43' 03.18"	W112° 03' 38.17"	46.2	3,956.5		TRIM/REMOVE
175084	CONICAL	TREE	N34° 43' 04.23"	W112° 03' 37.21"	38.0	3,948.3		TRIM/REMOVE
175092	CONICAL	TREE	N34° 43' 04.97"	W112° 03' 38.03"	58.0	3,968.3		TRIM/REMOVE
175100	CONICAL	TREE	N34° 43' 05.97"	W112° 03' 38.53"	53.5	3,963.8		TRIM/REMOVE
175108	CONICAL	TREE	N34° 43' 05.75"	W112° 03' 39.57"	57.5	3,967.8		TRIM/REMOVE
175116	CONICAL	TREE	N34° 43' 05.13"	W112° 03' 40.61"	59.8	3,970.1		TRIM/REMOVE
175132	CONICAL	TREE	N34° 43' 03.01"	W112° 03' 39.82"	68.7	3,979.0		TRIM/REMOVE
175140	CONICAL	TREE	N34° 43' 00.74"	W112° 03' 36.04"	78.1	3,988.4		TRIM/REMOVE
175148	CONICAL	TREE	N34° 43' 01.09"	W112° 03' 34.97"	83.2	3,993.5		TRIM/REMOVE
175156	CONICAL	TREE	N34° 43' 02.22"	W112° 03' 32.75"	68.1	3,978.4		TRIM/REMOVE
175164	CONICAL	TREE	N34° 43' 03.67"	W112° 03' 31.88"	41.0	3,951.3		TRIM/REMOVE
175172	CONICAL	TREE	N34° 43' 04.88"	W112° 03' 30.45"	34.3	3,944.6		TRIM/REMOVE
175180	CONICAL	TREE	N34° 42' 56.61"	W112° 03' 27.59"	18.1	3,928.4		TRIM/REMOVE
175188	CONICAL	TREE	N34° 42' 56.66"	W112° 03' 28.73"	27.3	3,937.6		TRIM/REMOVE
175196	CONICAL	TREE	N34° 42' 54.31"	W112° 03' 25.55"	30.4	3,940.7		TRIM/REMOVE
175204	CONICAL	TREE	N34° 42' 54.90"	W112° 03' 23.89"	12.9	3,923.2		TRIM/REMOVE
175212	CONICAL	TREE	N34° 42' 56.55"	W112° 03' 24.56"	6.1	3,916.4		TRIM/REMOVE
175228	CONICAL	TREE	N34° 42' 52.11"	W112° 03' 20.42"	25.6	3,935.9		TRIM/REMOVE
175236	CONICAL	TREE	N34° 42' 51.12"	W112° 03' 20.24"	33.5	3,943.8		TRIM/REMOVE
175244	CONICAL	TREE	N34° 42' 50.44"	W112° 03' 22.51"	39.8	3,950.1		TRIM/REMOVE
175756	CONICAL	TREE	N34° 42' 15.93"	W112° 02' 35.44"	102.0	4,012.3		TRIM/REMOVE
175764	CONICAL	SCRUB	N34° 42' 13.14"	W112° 02' 41.45"	135.6	4,045.9		TRIM/REMOVE
175844	CONICAL	SCRUB	N34° 42' 23.02"	W112° 02' 39.90"	0.1	3,910.4		TRIM/REMOVE
175860	CONICAL	SCRUB	N34° 42' 21.61"	W112° 02' 48.63"	42.2	3,952.5		TRIM/REMOVE
175868	CONICAL	SCRUB	N34° 42' 20.40"	W112° 02' 50.66"	54.2	3,964.5		TRIM/REMOVE
175876	CONICAL	SCRUB	N34° 42' 20.55"	W112° 02' 52.18"	59.3	3,969.6		TRIM/REMOVE
175884	CONICAL	SCRUB	N34° 42' 18.20"	W112° 02' 53.80"	71.5	3,981.8		TRIM/REMOVE
175940	CONICAL	TREE	N34° 42' 29.33"	W112° 03' 03.60"	38.1	3,948.4		TRIM/REMOVE
175948	CONICAL	TREE	N34° 42' 24.82"	W112° 03' 10.66"	82.5	3,992.8		TRIM/REMOVE
175956	CONICAL	TREE	N34° 42' 24.10"	W112° 03' 12.22"	94.9	4,005.2		TRIM/REMOVE
175980	CONICAL	TREE	N34° 42' 27.86"	W112° 03' 16.58"	160.4	4,070.7		TRIM/REMOVE
175988	CONICAL	TREE	N34° 42' 28.94"	W112° 03' 17.98"	171.4	4,081.7		TRIM/REMOVE
175996	CONICAL	TREE	N34° 42' 33.21"	W112° 03' 07.78"	41.1	3,951.4		TRIM/REMOVE
176004	CONICAL	TREE	N34° 42' 33.49"	W112° 03' 05.93"	24.1	3,934.4		TRIM/REMOVE
176012	CONICAL	TREE	N34° 42' 34.38"	W112° 03' 04.82"	25.9	3,936.2		TRIM/REMOVE
176132	CONICAL	TREE	N34° 42' 33.38"	W112° 03' 12.92"	74.7	3,985.0		TRIM/REMOVE

NOTES

1. SURVEY PERFORMED JULY 2020.
2. PART 77 SURFACES BASED ON 14 CFR PART 77.
3. PART 77 APPROACH SURFACES SHOWN ON SHEET 34 - INNER PORTION OF THE APPROACH SURFACE DRAWING; PART 77 APPROACH SURFACE OBSTRUCTIONS LISTED ON SHEETS 35-36.
4. TRAVERSEWAY ELEVATIONS INCLUDE THE FOLLOWING ADJUSTMENTS: PRIVATE ROADS: 10', PUBLIC ROADS: 15'. NO INTERSTATE HIGHWAYS OR RAILROADS ARE LOCATED IN THE IMMEDIATE VICINITY OF THE AIRPORT.
5. SURVEY IDENTIFIED A TOTAL OF 6,298 OBSTRUCTIONS TO PART 77 SURFACES, NOT INCLUDING PART 77 APPROACH SURFACES. OBSTRUCTIONS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT TOP 2% OF PENETRATIONS TO EACH PART 77 SURFACE.
6. OBSTRUCTION GROUPS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT APPROXIMATE LOCATION OF ALL OBSTRUCTIONS. COMPREHENSIVE LISTS OF OBSTRUCTIONS TO EACH PART 77 SURFACE, NOT INCLUDING PART 77 APPROACH SURFACES, ARE INCLUDED ON SHEETS 7-33.
7. OBSTRUCTION DESCRIPTIONS ARE GROUPED IN THE SUMMARY TABLE ON SHEET 6 - AIRPORT AIRSPACE DRAWING PER THE FOLLOWING: VEGETATION = BUSH, SCRUB, TREE; GROUND = GROUND; BUILDINGS/HANGARS = BUILDING, HANGAR; POLES/TOWERS = ANTENNA, BEACON, POLE, POLE_LIGHT, POLE_UTIL, POST, TRANSMISSION_PYLON, VERTICAL_POINT; NAVAIDS = PAPI, PAPI_CONTROL_BOX, REIL, SIGN, WINDSOCK; GROUND TRANSPORTATION = PARKING_LOT, ROAD - PRIVATE, ROAD - PUBLIC, STREET SIGN; UTILITY INFRASTRUCTURE = A/G PIPE, DAM, ELEC_BOX, MISC_UTIL, SOLAR_PANELS, TANK, TRANSFORMER; FENCE = FENCE, GATE; OTHER = CANOPY, DIRT_PILE, WALL
8. ALL HEIGHTS SHOWN IN FEET.
9. OBSTRUCTION HEIGHT ABOVE GROUND LEVEL PROVIDED WHERE AVAILABLE.
10. DEFINITIONS: PEN = PENETRATION; MSL = MEAN SEA LEVEL; AGL = ABOVE GROUND LEVEL; OL = OBSTRUCTION LIGHTING; DNH = DETERMINATION OF NO HAZARD

NO.	DATE	REVISIONS	BY	APPR.
5				
4				
3				
2				
1				

Kimley»Horn

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FAA DISCLAMER

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COTTONWOOD MUNICIPAL AIRPORT

COTTONWOOD, AZ

AIRPORT AIRSPACE DRAWING - PART 77 SURFACE PENETRATION TABLES (24 OF 27)

JOB NO. 291447000	DRAWN KH	CHECKED CBW	
DATE: DECEMBER 2022	DESIGNED JTC	APPROVED CBW	SHEET 30 OF 40

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
CONICAL SURFACE PENETRATION GROUP *(CONT.)*								
176140	CONICAL	TREE	N34° 42' 32.01"	W112° 03' 15.12"	80.7	3,991.0		TRIM/REMOVE
176260	CONICAL	TREE	N34° 42' 42.95"	W112° 03' 22.84"	111.2	4,021.5		TRIM/REMOVE
176340	CONICAL	TREE	N34° 42' 42.65"	W112° 03' 28.43"	182.0	4,092.3		TRIM/REMOVE
176348	CONICAL	SCRUB	N34° 42' 44.71"	W112° 03' 29.73"	148.7	4,059.0		TRIM/REMOVE
176356	CONICAL	SCRUB	N34° 42' 45.12"	W112° 03' 27.42"	109.8	4,020.1		TRIM/REMOVE
176364	CONICAL	SCRUB	N34° 42' 43.34"	W112° 03' 26.61"	130.9	4,041.2		TRIM/REMOVE
176372	CONICAL	SCRUB	N34° 42' 42.33"	W112° 03' 26.51"	129.4	4,039.7		TRIM/REMOVE
176380	CONICAL	SCRUB	N34° 42' 45.92"	W112° 03' 25.22"	89.0	3,999.3		TRIM/REMOVE
176388	CONICAL	SCRUB	N34° 42' 46.65"	W112° 03' 24.39"	80.7	3,991.0		TRIM/REMOVE
176396	CONICAL	SCRUB	N34° 42' 47.59"	W112° 03' 25.18"	73.7	3,984.0		TRIM/REMOVE
176404	CONICAL	SCRUB	N34° 42' 47.65"	W112° 03' 26.74"	72.8	3,983.1		TRIM/REMOVE
176412	CONICAL	SCRUB	N34° 42' 48.64"	W112° 03' 25.98"	60.9	3,971.2		TRIM/REMOVE
176420	CONICAL	SCRUB	N34° 42' 49.71"	W112° 03' 26.67"	44.2	3,954.5		TRIM/REMOVE
176428	CONICAL	SCRUB	N34° 42' 49.57"	W112° 03' 28.29"	45.9	3,956.2		TRIM/REMOVE
176436	CONICAL	SCRUB	N34° 42' 48.69"	W112° 03' 28.23"	57.0	3,967.3		TRIM/REMOVE
176444	CONICAL	SCRUB	N34° 42' 48.20"	W112° 03' 29.93"	68.8	3,979.1		TRIM/REMOVE
176452	CONICAL	SCRUB	N34° 42' 50.20"	W112° 03' 29.94"	77.2	3,987.5		TRIM/REMOVE
176460	CONICAL	SCRUB	N34° 42' 50.53"	W112° 03' 30.74"	88.4	3,998.7		TRIM/REMOVE
176468	CONICAL	SCRUB	N34° 42' 49.75"	W112° 03' 31.82"	88.4	3,998.7		TRIM/REMOVE
176476	CONICAL	SCRUB	N34° 42' 50.62"	W112° 03' 28.40"	69.2	3,979.5		TRIM/REMOVE
176484	CONICAL	SCRUB	N34° 42' 51.23"	W112° 03' 26.62"	58.2	3,968.5		TRIM/REMOVE
176492	CONICAL	SCRUB	N34° 42' 50.38"	W112° 03' 25.74"	35.8	3,946.1		TRIM/REMOVE
176500	CONICAL	SCRUB	N34° 42' 50.18"	W112° 03' 24.63"	43.1	3,953.4		TRIM/REMOVE
176508	CONICAL	TREE	N34° 42' 51.77"	W112° 03' 25.24"	40.3	3,950.6		TRIM/REMOVE
176516	CONICAL	TREE	N34° 42' 53.29"	W112° 03' 23.96"	27.7	3,938.0		TRIM/REMOVE
176708	CONICAL	SCRUB	N34° 42' 51.99"	W112° 03' 16.43"	6.6	3,916.9		TRIM/REMOVE
176724	CONICAL	SCRUB	N34° 42' 53.63"	W112° 03' 17.73"	2.0	3,912.3		TRIM/REMOVE
176732	CONICAL	SCRUB	N34° 42' 49.00"	W112° 03' 19.16"	43.1	3,953.4		TRIM/REMOVE
176740	CONICAL	TREE	N34° 42' 47.72"	W112° 03' 20.94"	67.3	3,977.6		TRIM/REMOVE
176748	CONICAL	TREE	N34° 42' 48.41"	W112° 03' 21.83"	62.4	3,972.7		TRIM/REMOVE
176756	CONICAL	TREE	N34° 42' 48.32"	W112° 03' 23.22"	65.2	3,975.5		TRIM/REMOVE
176764	CONICAL	TREE	N34° 42' 45.74"	W112° 03' 21.86"	83.0	3,993.3		TRIM/REMOVE
176772	CONICAL	TREE	N34° 42' 44.63"	W112° 03' 22.39"	92.6	4,002.9		TRIM/REMOVE
176780	CONICAL	TREE	N34° 42' 41.17"	W112° 03' 25.53"	128.4	4,038.7		TRIM/REMOVE
179391	CONICAL	TREE	N34° 43' 06.65"	W112° 03' 40.48"	36.1	3,946.4		TRIM/REMOVE
179399	CONICAL	TREE	N34° 43' 08.05"	W112° 03' 38.48"	26.0	3,936.3		TRIM/REMOVE
179407	CONICAL	TREE	N34° 43' 06.66"	W112° 03' 37.67"	45.5	3,955.8		TRIM/REMOVE
179415	CONICAL	TREE	N34° 43' 06.65"	W112° 03' 36.51"	36.9	3,947.2		TRIM/REMOVE
179423	CONICAL	TREE	N34° 43' 05.15"	W112° 03' 36.83"	44.4	3,954.7		TRIM/REMOVE
179431	CONICAL	TREE	N34° 43' 07.69"	W112° 03' 35.28"	24.2	3,934.5		TRIM/REMOVE
179439	CONICAL	TREE	N34° 43' 06.68"	W112° 03' 34.05"	19.4	3,929.7		TRIM/REMOVE
179447	CONICAL	TREE	N34° 43' 07.49"	W112° 03' 33.84"	14.3	3,924.6		TRIM/REMOVE
179791	CONICAL	TREE	N34° 43' 00.62"	W112° 03' 27.50"	4.8	3,915.1		TRIM/REMOVE
179815	CONICAL	SCRUB	N34° 42' 58.40"	W112° 03' 27.65"	8.9	3,919.2		TRIM/REMOVE
179831	CONICAL	SCRUB	N34° 42' 57.76"	W112° 03' 28.67"	16.8	3,927.1		TRIM/REMOVE
179839	CONICAL	GROUND	N34° 42' 57.94"	W112° 03' 30.68"	26.1	3,936.4		PROVIDE OL
179847	CONICAL	GROUND	N34° 42' 58.24"	W112° 03' 32.52"	39.3	3,949.6		PROVIDE OL
179855	CONICAL	GROUND	N34° 42' 58.79"	W112° 03' 31.52"	28.1	3,938.4		PROVIDE OL
179863	CONICAL	GROUND	N34° 42' 59.83"	W112° 03' 32.01"	22.3	3,932.6		PROVIDE OL
179871	CONICAL	GROUND	N34° 43' 00.97"	W112° 03' 31.12"	45.0	3,955.3		PROVIDE OL
179879	CONICAL	GROUND	N34° 43' 02.08"	W112° 03' 30.75"	29.6	3,939.9		PROVIDE OL
179887	CONICAL	GROUND	N34° 43' 02.16"	W112° 03' 29.53"	11.8	3,922.1		PROVIDE OL
179895	CONICAL	GROUND	N34° 43' 02.53"	W112° 03' 27.97"	16.5	3,926.8		PROVIDE OL
179903	CONICAL	GROUND	N34° 43' 03.68"	W112° 03' 27.75"	12.9	3,923.2		PROVIDE OL
179911	CONICAL	GROUND	N34° 43' 04.72"	W112° 03' 26.84"	30.4	3,940.7		PROVIDE OL
179959	CONICAL	GROUND	N34° 43' 00.15"	W112° 03' 28.59"	6.1	3,916.4		PROVIDE OL
179967	CONICAL	GROUND	N34° 42' 59.02"	W112° 03' 28.82"	8.9	3,919.2		PROVIDE OL
179975	CONICAL	GROUND	N34° 42' 59.34"	W112° 03' 30.35"	17.8	3,928.1		PROVIDE OL
179983	CONICAL	GROUND	N34° 43' 00.41"	W112° 03' 29.83"	9.2	3,919.5		PROVIDE OL
179991	CONICAL	GROUND	N34° 43' 01.28"	W112° 03' 29.98"	14.6	3,924.9		PROVIDE OL
179999	CONICAL	TREE	N34° 43' 01.63"	W112° 03' 33.46"	77.6	3,987.9		TRIM/REMOVE
180007	CONICAL	TREE	N34° 43' 06.24"	W112° 03' 27.64"	27.3	3,937.6		TRIM/REMOVE
180015	CONICAL	TREE	N34° 43' 03.78"	W112° 03' 33.67"	13.2	3,923.5		TRIM/REMOVE
180023	CONICAL	TREE	N34° 43' 00.86"	W112° 03' 38.41"	47.8	3,958.1		TRIM/REMOVE
180031	CONICAL	TREE	N34° 42' 59.63"	W112° 03' 36.87"	98.5	4,008.8		TRIM/REMOVE
180071	CONICAL	TREE	N34° 43' 01.30"	W112° 03' 36.63"	50.0	3,960.3		TRIM/REMOVE
180079	CONICAL	SCRUB	N34° 43' 00.47"	W112° 03' 33.28"	57.2	3,967.5		TRIM/REMOVE
180087	CONICAL	SCRUB	N34° 42' 59.44"	W112° 03' 34.21"	74.7	3,985.0		TRIM/REMOVE
180095	CONICAL	SCRUB	N34° 42' 58.61"	W112° 03' 34.74"	105.4	4,015.7		TRIM/REMOVE
180103	CONICAL	SCRUB	N34° 42' 58.41"	W112° 03' 33.50"	60.4	3,970.7		TRIM/REMOVE
180111	CONICAL	GROUND	N34° 43' 03.13"	W112° 03' 30.17"	46.8	3,957.1		PROVIDE OL
180119	CONICAL	SCRUB	N34° 43' 04.18"	W112° 03' 29.59"	46.6	3,956.9		TRIM/REMOVE
180127	CONICAL	SCRUB	N34° 43' 05.91"	W112° 03' 30.39"	8.9	3,919.2		TRIM/REMOVE
180223	CONICAL	SCRUB	N34° 43' 10.93"	W112° 03' 44.23"	71.8	3,982.1		TRIM/REMOVE
180335	CONICAL	TREE	N34° 43' 17.91"	W112° 03' 29.43"	3.5	3,913.8		TRIM/REMOVE
180343	CONICAL	TREE	N34° 43' 17.55"	W112° 03' 31.56"	17.8	3,928.1		TRIM/REMOVE
180351	CONICAL	TREE	N34° 43' 16.21"	W112° 03' 32.06"	37.4	3,947.7		TRIM/REMOVE
180359	CONICAL	TREE	N34° 43' 17.14"	W112° 03' 33.44"	36.1	3,946.4		TRIM/REMOVE
180367	CONICAL	TREE	N34° 43' 15.65"	W112° 03' 31.23"	24.0	3,934.3		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
CONICAL SURFACE PENETRATION GROUP *(CONT.)*								
180375	CONICAL	TREE	N34° 43' 15.15"	W112° 03' 32.76"	26.1	3,936.4		TRIM/REMOVE
180383	CONICAL	TREE	N34° 43' 16.09"	W112° 03' 34.19"	46.5	3,956.8		TRIM/REMOVE
180391	CONICAL	TREE	N34° 43' 15.76"	W112° 03' 35.57"	33.5	3,943.8		TRIM/REMOVE
180399	CONICAL	TREE	N34° 43' 14.52"	W112° 03' 34.51"	7.0	3,917.3		TRIM/REMOVE
180415	CONICAL	TREE	N34° 43' 12.53"	W112° 03' 34.87"	5.9	3,916.2		TRIM/REMOVE
180423	CONICAL	TREE	N34° 43' 12.12"	W112° 03' 35.98"	15.1	3,925.4		TRIM/REMOVE
180431	CONICAL	TREE	N34° 43' 10.85"	W112° 03' 35.90"	5.8	3,916.1		TRIM/REMOVE
180439	CONICAL	TREE	N34° 43' 11.28"	W112° 03' 37.54"	29.4	3,939.7		TRIM/REMOVE
180447	CONICAL	TREE	N34° 43' 12.67"	W112° 03' 37.40"	35.5	3,945.8		TRIM/REMOVE
180455	CONICAL	TREE	N34° 43' 13.79"	W112° 03' 37.38"	19.1	3,929.4		TRIM/REMOVE
180463	CONICAL	TREE	N34° 43' 13.48"	W112° 03' 38.88"	32.5	3,942.8		TRIM/REMOVE
180471	CONICAL	TREE	N34° 43' 15.04"	W112° 03' 39.39"	53.8	3,964.1		TRIM/REMOVE
180479	CONICAL	TREE	N34° 43' 11.76"	W112° 03' 39.23"	59.6	3,969.9		TRIM/REMOVE
180487	CONICAL	TREE	N34° 43' 12.87"	W112° 03' 39.90"	50.7	3,961.0		TRIM/REMOVE
180495	CONICAL	TREE	N34° 43' 12.98"	W112° 03' 41.83"	72.5	3,982.8		TRIM/REMOVE
180503	CONICAL	TREE	N34° 43' 11.91"	W112° 03' 42.18"	81.8	3,992.1		TRIM/REMOVE
180511	CONICAL	TREE	N34° 43' 11.92"	W112° 03' 44.22"	94.3	4,004.6		TRIM/REMOVE
180519	CONICAL	TREE	N34° 43' 11.01"	W112° 03' 41.75"	65.8	3,976.1		TRIM/REMOVE
180527	CONICAL	TREE	N34° 43' 09.70"	W112° 03' 43.16"	49.9	3,960.2		TRIM/REMOVE
180535	CONICAL	TREE	N34° 43' 08.62"	W112° 03' 42.20"	35.1	3,945.4		TRIM/REMOVE
180543	CONICAL	TREE	N34° 43' 08.99"	W112° 03' 40.97"	23.8	3,934.1		TRIM/REMOVE
180551	CONICAL	TREE	N34° 43' 10.70"	W112° 03' 40.43"	46.5	3,956.8		TRIM/REMOVE
180559	CONICAL	TREE	N34° 43' 09.79"	W112° 03' 39.45"	25.2	3,935.5		TRIM/REMOVE
180567	CONICAL	TREE	N34° 43' 11.09"	W112° 03' 38.46"	38.7	3,949.0		TRIM/REMOVE
180599	CONICAL	TREE	N34° 43' 08.50"	W112° 03' 36.05"	10.3	3,920.6		TRIM/REMOVE
180607	CONICAL	TREE	N34° 43' 07.59"	W112° 03' 37.74"	21.0	3,931.3		TRIM/REMOVE
180615	CONICAL	TREE	N34° 43' 07.07"	W112° 03' 39.03"	37.2	3,947.5		TRIM/REMOVE
180623	CONICAL	TREE	N34° 43' 07.91"	W112° 03' 40.59"	5.1	3,915.4		TRIM/REMOVE
180631	CONICAL	TREE	N34° 43' 09.82"	W112° 03' 38.73"	12.1	3,922.4		TRIM/REMOVE
180703	CONICAL	TREE	N34° 43' 05.34"	W112° 03' 35.82"	43.4	3,953.7		TRIM/REMOVE
180719	CONICAL	TREE	N34° 43' 06.14"	W112° 03' 24.73"	6.7	3,917.0		TRIM/REMOVE
181047	CONICAL	TREE	N34° 43' 13.72"	W112° 03' 35.33"	1.8	3,912.2		TRIM/REMOVE
181055	CONICAL	TREE	N34° 43' 14.39"	W112° 03' 36.47"	7.7	3,918.0		TRIM/REMOVE
181063	CONICAL	TREE	N34° 43' 15.18"	W112° 03' 37.30"	23.8	3,934.1		TRIM/REMOVE
181071	CONICAL	TREE	N34° 43' 15.97"	W112° 03' 38.32"	38.4	3,948.7		TRIM/REMOVE
181079	CONICAL	TREE	N34° 43' 16.17"	W112° 03' 37.01"	21.4	3,931.7		TRIM/REMOVE
181087	CONICAL	TREE	N34° 43' 17.02"	W112° 03' 36.44"	59.8	3,970.1		TRIM/REMOVE
181095	CONICAL	TREE	N34° 43' 17.81"	W112° 03' 36.19"	82.0	3,992.3		TRIM/REMOVE
181103	CONICAL	TREE	N34° 43' 17.56"	W112° 03' 34.95"	66.6	3,976.9		TRIM/REMOVE
181111	CONICAL	TREE	N34° 43' 18.99"	W112° 03' 34.73"	72.4	3,982.7		TRIM/REMOVE
181119	CONICAL	TREE	N34° 43' 19.68"	W112° 03' 32.85"	38.6	3,948.9		TRIM/REMOVE
181127	CONICAL	TREE	N34° 43' 19.25"	W112° 03' 31.94"	26.5	3,936.8		TRIM/REMOVE
181135	CONICAL	TREE	N34° 43' 17.75"	W112° 03' 33.99"	42.9	3,953.2		TRIM/REMOVE
181143	CONICAL	TREE	N34° 43' 13.70"	W112° 03' 40.51"	46.9	3,957.2		TRIM/REMOVE
181151	CONICAL	TREE	N34° 43' 10.42"	W112° 03' 41.44"	51.3	3,961.7		TRIM/REMOVE
181303	CONICAL	TREE	N34° 43' 13.12"	W112° 03' 44.55"	109.6	4,019.9		TRIM/REMOVE
181327	CONICAL	TREE	N34° 43' 14.11"	W112° 03' 44.63"	117.9	4,028.2		TRIM/REMOVE
181335	CONICAL	TREE	N34° 43' 14.26"	W112° 03' 42.33"	69.4	3,979.7		TRIM/REMOVE
181343	CONICAL	TREE	N34° 43' 15.73"	W112° 03' 41.66"	89.1	3,999.4		TRIM/REMOVE
181351	CONICAL	TREE	N34° 43' 14.88"	W112° 03' 41.83"	78.1	3,988.4		TRIM/REMOVE
181359	CONICAL	TREE	N34° 43' 15.80"	W112° 03' 42.63"	107.0	4,017.3		TRIM/REMOVE
181367	CONICAL	SCRUB	N34° 43' 15.90"	W112° 03' 40.38"	55.6	3,965.9		TRIM/REMOVE
181375	CONICAL	SCRUB	N34° 43' 13.73"	W112° 03' 43.40"	88.1	3,998.4		TRIM/REMOVE
181383	CONICAL	SCRUB	N34° 43' 13.48"	W112° 03' 42.48"	72.1	3,982.4		TRIM/REMOVE
181391	CONICAL	SCRUB	N34° 43' 14.14"	W112° 03' 39.74"	37.1	3,947.4		TRIM/REMOVE
181399	CONICAL	SCRUB	N34° 43' 18.74"	W112° 03' 36.11"	94.0	4,004.3		TRIM/REMOVE
181407	CONICAL	TREE	N34° 43' 18.91"	W112° 03' 33.58"	49.4	3,959.7		TRIM/REMOVE
181447	CONICAL	TREE	N34° 43' 20.39"	W112° 03' 31.18"	4.7	3,915.0		TRIM/REMOVE
181455	CONICAL	TREE	N34° 43' 21.63"	W112° 03' 27.46"	4.7	3,915.0		TRIM/REMOVE
181647	CONICAL	TREE	N34° 43' 24.13"	W112° 03' 15.86"	5.4	3,915.7		TRIM/REMOVE
181671	CONICAL	TREE	N34° 43' 25.02"	W112° 03' 13.89"	9.5	3,919.8		TRIM/REMOVE
181679	CONICAL	TREE	N34° 43' 26.09"	W112° 03' 14.42"	14.8	3,925.1		TRIM/REMOVE
181687	CONICAL	TREE	N34° 43' 24.38"	W112° 03' 14.94"	19.2	3,929.5		TRIM/REMOVE
182079	CONICAL	TREE	N34° 43' 14.36"	W112° 03' 33.11"	4.6	3,914.9		TRIM/REMOVE
182463	CONICAL	TREE	N34° 43' 24.13"	W112° 03' 50.50"	197.7	4,108.0		TRIM/REMOVE
182471	CONICAL	TREE	N34° 43' 25.40"	W112° 03' 51.07"	222.9	4,133.2		TRIM/REMOVE
182495	CONICAL	TREE	N34° 43' 26.51"	W112° 03' 52.49"	227.9	4,138.2		TRIM/REMOVE
182503	CONICAL	TREE	N34° 43' 28.61"	W112° 03' 52.31"	143.4	4,053.7		TRIM/REMOVE
182511	CONICAL	TREE	N34° 43' 27.37"	W112° 03' 51.92"	200.0	4,110.3		TRIM/REMOVE
182519	CONICAL	TREE	N34° 43' 24.90"	W112° 03' 49.86"	180.1	4,090.4		TRIM/REMOVE
182527	CONICAL	TREE	N34° 43' 22.95"	W112° 03' 46.93"	198.1	4,108.4		TRIM/REMOVE
182535	CONICAL	TREE	N34° 43' 24.30"	W112° 03' 47.37"	165.6	4,075.9		TRIM/REMOVE
182543	CONICAL	TREE	N34° 43' 23.69"	W112° 03' 45.94"	167.8	4,078.1		TRIM/REMOVE
182551	CONICAL	TREE	N34° 43' 23.26"	W112° 03' 44.65"	142.2	4,052.5		TRIM/REMOVE
182559	CONICAL	TREE	N34° 43' 22.79"	W112° 03' 43.02"	133.9	4,044.2		TRIM/REMOVE
182567	CONICAL	TREE	N34° 43' 21.65"	W112° 03' 41.97"	148.6	4,058.9		TRIM/REMOVE
182575	CONICAL	TREE	N34° 43' 20.79"	W112° 03' 43.18"	154.3	4,064.6		TRIM/REMOVE
182583	CONICAL	TREE	N34° 43' 19.66"	W112° 03' 45.49"	211.6	4,121.9		TRIM/REMOVE
182591	CONICAL	TREE	N34° 43' 20.29"	W112° 03' 44.80"	190.1	4,100.4		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
CONICAL SURFACE PENETRATION GROUP *(CONT.)*								
182599	CONICAL	TREE	N34° 43' 21.56"	W112° 03' 46.12"	190.9	4,101.2		TRIM/REMOVE
182607	CONICAL	TREE	N34° 43' 21.23"	W112° 03' 44.76"	172.3	4,082.6		TRIM/REMOVE
182615	CONICAL	TREE	N34° 43' 19.32"	W112° 03' 43.51"	178.4	4,088.7		TRIM/REMOVE
182623	CONICAL	TREE	N34° 43' 18.00"	W112° 03' 42.80"	155.1	4,065.4		TRIM/REMOVE
182631	CONICAL	TREE	N34° 43' 18.27"	W112° 03' 44.19"	195.8	4,106.1		TRIM/REMOVE
182639	CONICAL	TREE	N34° 43' 18.33"	W112° 03' 46.18"	187.4	4,097.7		TRIM/REMOVE
182647	CONICAL	TREE	N34° 43' 19.35"	W112° 03' 47.71"	204.1	4,114.4		TRIM/REMOVE
182655	CONICAL	TREE	N34° 43' 20.21"	W112° 03' 48.28"	225.5	4,135.8		TRIM/REMOVE
182671	CONICAL	TREE	N34° 43' 18.60"	W112° 03' 47.76"	191.8	4,102.1		TRIM/REMOVE
182679	CONICAL	TREE	N34° 43' 17.70"	W112° 03' 48.04"	164.5	4,074.8		TRIM/REMOVE
182687	CONICAL	TREE	N34° 43' 16.65"	W112° 03' 45.94"	141.6	4,051.9		TRIM/REMOVE
182695	CONICAL	TREE	N34° 43' 15.04"	W112° 03' 46.01"	116.8	4,027.1		TRIM/REMOVE
182767	CONICAL	SCRUB	N34° 43' 22.48"	W112° 03' 50.01"	230.8	4,141.1		TRIM/REMOVE
182783	CONICAL	SCRUB	N34° 43' 22.35"	W112° 03' 48.26"	228.9	4,139.2		TRIM/REMOVE
182791	CONICAL	SCRUB	N34° 43' 21.73"	W112° 03' 47.54"	222.6	4,132.9		TRIM/REMOVE
182799	CONICAL	SCRUB	N34° 43' 20.80"	W112° 03' 47.36"	210.7	4,121.0		TRIM/REMOVE
182807	CONICAL	SCRUB	N34° 43' 21.16"	W112° 03' 49.46"	258.8	4,169.1		TRIM/REMOVE
182815	CONICAL	SCRUB	N34° 43' 20.65"	W112° 03' 45.95"	193.5	4,103.8		TRIM/REMOVE
182823	CONICAL	SCRUB	N34° 43' 20.53"	W112° 03' 41.91"	135.1	4,045.4		TRIM/REMOVE
182967	CONICAL	TREE	N34° 43' 17.42"	W112° 03' 40.70"	96.1	4,006.4		TRIM/REMOVE
182975	CONICAL	TREE	N34° 43' 16.79"	W112° 03' 42.35"	118.1	4,028.4		TRIM/REMOVE
182983	CONICAL	TREE	N34° 43' 18.24"	W112° 03' 41.61"	127.1	4,037.4		TRIM/REMOVE
182991	CONICAL	TREE	N34° 43' 19.15"	W112° 03' 42.08"	141.7	4,052.0		TRIM/REMOVE
182999	CONICAL	TREE	N34° 43' 18.76"	W112° 03' 42.91"	166.9	4,077.2		TRIM/REMOVE
183007	CONICAL	TREE	N34° 43' 19.34"	W112° 03' 41.43"	125.4	4,035.7		TRIM/REMOVE
183015	CONICAL	TREE	N34° 43' 19.80"	W112° 03' 39.74"	97.4	4,007.7		TRIM/REMOVE
183023	CONICAL	TREE	N34° 43' 18.17"	W112° 03' 39.76"	79.3	3,989.6		TRIM/REMOVE
183031	CONICAL	TREE	N34° 43' 17.03"	W112° 03' 38.35"	57.4	3,967.7		TRIM/REMOVE
183039	CONICAL	TREE	N34° 43' 18.28"	W112° 03' 37.99"	81.2	3,991.5		TRIM/REMOVE
183047	CONICAL	TREE	N34° 43' 19.60"	W112° 03' 37.94"	101.7	4,012.0		TRIM/REMOVE
183055	CONICAL	TREE	N34° 43' 20.84"	W112° 03' 36.80"	79.7	3,990.0		TRIM/REMOVE
183063	CONICAL	TREE	N34° 43' 20.04"	W112° 03' 35.83"	83.8	3,994.1		TRIM/REMOVE
183071	CONICAL	TREE	N34° 43' 21.14"	W112° 03' 35.83"	54.8	3,965.1		TRIM/REMOVE
183079	CONICAL	TREE	N34° 43' 21.09"	W112° 03' 34.55"	37.7	3,948.0		TRIM/REMOVE
183087	CONICAL	TREE	N34° 43' 20.37"	W112° 03' 35.07"	63.4	3,973.7		TRIM/REMOVE
183095	CONICAL	TREE	N34° 43' 21.52"	W112° 03' 37.54"	91.7	4,002.0		TRIM/REMOVE
183103	CONICAL	TREE	N34° 43' 22.56"	W112° 03' 38.01"	112.2	4,022.5		TRIM/REMOVE
183111	CONICAL	TREE	N34° 43' 22.65"	W112° 03' 39.50"	126.0	4,036.3		TRIM/REMOVE
183119	CONICAL	TREE	N34° 43' 21.24"	W112° 03' 39.52"	130.9	4,041.2		TRIM/REMOVE
183127	CONICAL	TREE	N34° 43' 21.03"	W112° 03' 40.86"	145.2	4,055.5		TRIM/REMOVE
183135	CONICAL	TREE	N34° 43' 22.93"	W112° 03' 41.24"	121.3	4,031.6		TRIM/REMOVE
183143	CONICAL	TREE	N34° 43' 23.99"	W112° 03' 42.68"	90.5	4,000.8		TRIM/REMOVE
183151	CONICAL	TREE	N34° 43' 23.73"	W112° 03' 40.15"	85.0	3,995.3		TRIM/REMOVE
183159	CONICAL	TREE	N34° 43' 24.59"	W112° 03' 40.04"	45.5	3,955.8		TRIM/REMOVE
183167	CONICAL	TREE	N34° 43' 24.47"	W112° 03' 38.44"	51.7	3,962.0		TRIM/REMOVE
183175	CONICAL	TREE	N34° 43' 23.51"	W112° 03' 37.15"	95.9	4,006.2		TRIM/REMOVE
183183	CONICAL	TREE	N34° 43' 22.84"	W112° 03' 35.33"	80.2	3,990.5		TRIM/REMOVE
183191	CONICAL	TREE	N34° 43' 22.97"	W112° 03' 33.83"	59.1	3,969.4		TRIM/REMOVE
183199	CONICAL	TREE	N34° 43' 24.96"	W112° 03' 36.17"	46.6	3,956.9		TRIM/REMOVE
183207	CONICAL	TREE	N34° 43' 24.79"	W112° 03' 37.32"	52.6	3,962.9		TRIM/REMOVE
183215	CONICAL	TREE	N34° 43' 27.44"	W112° 03' 38.13"	46.5	3,956.8		TRIM/REMOVE
183223	CONICAL	TREE	N34° 43' 26.48"	W112° 03' 40.58"	80.1	3,990.4		TRIM/REMOVE
183231	CONICAL	TREE	N34° 43' 25.45"	W112° 03' 41.63"	83.2	3,993.5		TRIM/REMOVE
183239	CONICAL	TREE	N34° 43' 26.64"	W112° 03' 43.02"	86.7	3,997.0		TRIM/REMOVE
183247	CONICAL	TREE	N34° 43' 26.44"	W112° 03' 45.17"	82.5	3,992.8		TRIM/REMOVE
183255	CONICAL	TREE	N34° 43' 25.66"	W112° 03' 44.47"	115.3	4,025.6		TRIM/REMOVE
183263	CONICAL	TREE	N34° 43' 25.31"	W112° 03' 46.79"	124.6	4,034.9		TRIM/REMOVE
183271	CONICAL	TREE	N34° 43' 26.55"	W112° 03' 47.76"	138.1	4,048.4		TRIM/REMOVE
183279	CONICAL	TREE	N34° 43' 24.75"	W112° 03' 48.46"	145.6	4,055.9		TRIM/REMOVE
183287	CONICAL	TREE	N34° 43' 26.67"	W112° 03' 46.76"	111.5	4,021.8		TRIM/REMOVE
183295	CONICAL	TREE	N34° 43' 28.02"	W112° 03' 47.16"	141.8	4,052.1		TRIM/REMOVE
183303	CONICAL	TREE	N34° 43' 30.22"	W112° 03' 45.66"	147.3	4,057.6		TRIM/REMOVE
183311	CONICAL	TREE	N34° 43' 28.88"	W112° 03' 45.31"	107.3	4,017.6		TRIM/REMOVE
183319	CONICAL	TREE	N34° 43' 27.78"	W112° 03' 45.13"	79.6	3,989.9		TRIM/REMOVE
183327	CONICAL	TREE	N34° 43' 27.35"	W112° 03' 44.25"	48.3	3,958.6		TRIM/REMOVE
183335	CONICAL	TREE	N34° 43' 28.74"	W112° 03' 43.09"	44.8	3,955.1		TRIM/REMOVE
183343	CONICAL	TREE	N34° 43' 29.84"	W112° 03' 43.56"	80.8	3,991.1		TRIM/REMOVE
183351	CONICAL	TREE	N34° 43' 27.61"	W112° 03' 42.01"	63.5	3,973.8		TRIM/REMOVE
183359	CONICAL	TREE	N34° 43' 29.32"	W112° 03' 40.55"	9.0	3,919.3		TRIM/REMOVE
183367	CONICAL	TREE	N34° 43' 27.80"	W112° 03' 39.96"	67.4	3,977.7		TRIM/REMOVE
183375	CONICAL	TREE	N34° 43' 28.85"	W112° 03' 38.07"	31.7	3,942.0		TRIM/REMOVE
183399	CONICAL	TREE	N34° 43' 29.65"	W112° 03' 36.21"	4.9	3,915.2		TRIM/REMOVE
183463	CONICAL	TREE	N34° 43' 34.02"	W112° 03' 35.72"	40.0	3,950.3		TRIM/REMOVE
183471	CONICAL	TREE	N34° 43' 33.03"	W112° 03' 37.05"	31.4	3,941.7		TRIM/REMOVE
183479	CONICAL	TREE	N34° 43' 32.75"	W112° 03' 39.45"	60.5	3,970.8		TRIM/REMOVE
183487	CONICAL	TREE	N34° 43' 32.82"	W112° 03' 41.09"	93.4	4,003.7		TRIM/REMOVE
183495	CONICAL	TREE	N34° 43' 31.46"	W112° 03' 40.94"	39.6	3,949.9		TRIM/REMOVE
183503	CONICAL	TREE	N34° 43' 31.43"	W112° 03' 42.55"	82.8	3,993.1		TRIM/REMOVE
183511	CONICAL	TREE	N34° 43' 30.61"	W112° 03' 42.44"	60.1	3,970.4		TRIM/REMOVE

NOTES

1. SURVEY PERFORMED JULY 2020.
2. PART 77 SURFACES BASED ON 14 CFR PART 77.
3. PART 77 APPROACH SURFACES SHOWN ON SHEET 34 - INNER PORTION OF THE APPROACH SURFACE DRAWING; PART 77 APPROACH SURFACE OBSTRUCTIONS LISTED ON SHEETS 35-36.
4. TRAVERSEWAY ELEVATIONS INCLUDE THE FOLLOWING ADJUSTMENTS: PRIVATE ROADS: 10', PUBLIC ROADS: 15'. NO INTERSTATE HIGHWAYS OR RAILROADS ARE LOCATED IN THE IMMEDIATE VICINITY OF THE AIRPORT.
5. SURVEY IDENTIFIED A TOTAL OF 6,298 OBSTRUCTIONS TO PART 77 SURFACES, NOT INCLUDING PART 77 APPROACH SURFACES. OBSTRUCTIONS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT TOP 2% OF PENETRATIONS TO EACH PART 77 SURFACE.
6. OBSTRUCTION GROUPS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT APPROXIMATE LOCATION OF ALL OBSTRUCTIONS. COMPREHENSIVE LISTS OF OBSTRUCTIONS TO EACH PART 77 SURFACE, NOT INCLUDING PART 77 APPROACH SURFACES, ARE INCLUDED ON SHEETS 7-33.
7. OBSTRUCTION DESCRIPTIONS ARE GROUPED IN THE SUMMARY TABLE ON SHEET 6 - AIRPORT AIRSPACE DRAWING PER THE FOLLOWING: VEGETATION = BUSH, SCRUB, TREE; GROUND = GROUND; BUILDINGS/HANGARS = BUILDING, HANGAR; POLES/TOWERS = ANTENNA, BEACON, POLE, POLE_LIGHT, POLE_UTIL, POST, TRANSMISSION_PYLON, VERTICAL_POINT; NAVAIDS = PAPI, PAPI_CONTROL_BOX, REIL, SIGN, WINDSOCK; GROUND TRANSPORTATION = PARKING_LOT, ROAD - PRIVATE, ROAD - PUBLIC, STREET SIGN; UTILITY INFRASTRUCTURE = A/G PIPE, DAM, ELEC_BOX, MISC_UTIL, SOLAR_PANELS, TANK, TRANSFORMER; FENCE = FENCE, GATE; OTHER = CANOPY, DIRT_PILE, WALL
8. ALL HEIGHTS SHOWN IN FEET.
9. OBSTRUCTION HEIGHT ABOVE GROUND LEVEL PROVIDED WHERE AVAILABLE.
10. DEFINITIONS: PEN = PENETRATION; MSL = MEAN SEA LEVEL; AGL = ABOVE GROUND LEVEL; OL = OBSTRUCTION LIGHTING; DNH = DETERMINATION OF NO HAZARD

NO.	DATE	REVISIONS	BY	APPR.
5				
4				
3				
2				
1				

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COTTONWOOD MUNICIPAL AIRPORT

COTTONWOOD, AZ

AIRPORT AIRSPACE DRAWING - PART 77 SURFACE PENETRATION TABLES (25 OF 27)

JOB NO. 291447000	DRAWN KH	CHECKED CBW	SHEET 31 OF 40
DATE: DECEMBER 2022	DESIGNED JTC	APPROVED CBW	

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
CONICAL SURFACE PENETRATION GROUP *(CONT.)*								
183519	CONICAL	TREE	N34° 43' 29.53"	W112° 03' 42.26"	34.4	3,944.7		TRIM/REMOVE
183527	CONICAL	TREE	N34° 43' 28.62"	W112° 03' 42.20"	19.3	3,929.6		TRIM/REMOVE
183535	CONICAL	TREE	N34° 43' 30.79"	W112° 03' 40.24"	13.5	3,923.8		TRIM/REMOVE
183543	CONICAL	TREE	N34° 43' 31.21"	W112° 03' 39.02"	7.2	3,917.5		TRIM/REMOVE
183551	CONICAL	TREE	N34° 43' 32.38"	W112° 03' 40.39"	64.8	3,975.1		TRIM/REMOVE
183559	CONICAL	TREE	N34° 43' 33.31"	W112° 03' 38.13"	53.3	3,963.6		TRIM/REMOVE
183567	CONICAL	TREE	N34° 43' 35.78"	W112° 03' 36.62"	52.2	3,962.5		TRIM/REMOVE
183575	CONICAL	TREE	N34° 43' 35.58"	W112° 03' 38.03"	29.8	3,940.1		TRIM/REMOVE
183583	CONICAL	TREE	N34° 43' 35.11"	W112° 03' 39.40"	49.2	3,959.5		TRIM/REMOVE
183591	CONICAL	TREE	N34° 43' 34.90"	W112° 03' 40.64"	78.6	3,988.9		TRIM/REMOVE
183599	CONICAL	TREE	N34° 43' 34.44"	W112° 03' 41.86"	112.0	4,022.3		TRIM/REMOVE
183607	CONICAL	TREE	N34° 43' 35.31"	W112° 03' 41.80"	84.6	3,994.9		TRIM/REMOVE
183615	CONICAL	TREE	N34° 43' 34.82"	W112° 03' 42.90"	86.0	3,996.3		TRIM/REMOVE
183623	CONICAL	TREE	N34° 43' 33.68"	W112° 03' 43.42"	97.1	4,007.4		TRIM/REMOVE
183631	CONICAL	TREE	N34° 43' 33.17"	W112° 03' 44.78"	86.9	3,997.2		TRIM/REMOVE
183639	CONICAL	TREE	N34° 43' 32.58"	W112° 03' 46.17"	81.5	3,991.8		TRIM/REMOVE
183647	CONICAL	TREE	N34° 43' 31.30"	W112° 03' 46.57"	128.9	4,039.2		TRIM/REMOVE
183655	CONICAL	TREE	N34° 43' 30.51"	W112° 03' 48.19"	126.6	4,036.9		TRIM/REMOVE
183663	CONICAL	TREE	N34° 43' 29.12"	W112° 03' 48.94"	166.9	4,077.2		TRIM/REMOVE
183671	CONICAL	TREE	N34° 43' 28.54"	W112° 03' 50.95"	178.9	4,089.2		TRIM/REMOVE
183679	CONICAL	SCRUB	N34° 43' 28.08"	W112° 03' 49.62"	194.5	4,104.8		TRIM/REMOVE
183687	CONICAL	SCRUB	N34° 43' 27.34"	W112° 03' 49.01"	180.4	4,090.7		TRIM/REMOVE
183695	CONICAL	SCRUB	N34° 43' 27.89"	W112° 03' 48.22"	166.6	4,076.9		TRIM/REMOVE
183703	CONICAL	SCRUB	N34° 43' 26.41"	W112° 03' 50.14"	197.7	4,108.0		TRIM/REMOVE
183711	CONICAL	SCRUB	N34° 43' 22.99"	W112° 03' 50.87"	227.8	4,138.1		TRIM/REMOVE
183719	CONICAL	TREE	N34° 43' 23.44"	W112° 03' 49.74"	203.8	4,114.1		TRIM/REMOVE
183775	CONICAL	GROUND	N34° 43' 26.34"	W112° 03' 51.46"	224.2	4,134.5		PROVIDE OL
183783	CONICAL	SCRUB	N34° 43' 29.33"	W112° 03' 47.35"	162.7	4,073.0		TRIM/REMOVE
183791	CONICAL	TREE	N34° 43' 27.84"	W112° 03' 53.12"	160.7	4,071.0		TRIM/REMOVE
183919	CONICAL	SCRUB	N34° 43' 17.56"	W112° 03' 46.47"	165.1	4,075.4		TRIM/REMOVE
183927	CONICAL	SCRUB	N34° 43' 17.71"	W112° 03' 44.98"	180.3	4,090.6		TRIM/REMOVE
183935	CONICAL	SCRUB	N34° 43' 19.15"	W112° 03' 46.44"	194.0	4,104.3		TRIM/REMOVE
183943	CONICAL	SCRUB	N34° 43' 19.93"	W112° 03' 44.01"	174.9	4,085.2		TRIM/REMOVE
183951	CONICAL	SCRUB	N34° 43' 15.83"	W112° 03' 44.88"	113.0	4,023.3		TRIM/REMOVE
183959	CONICAL	GROUND	N34° 43' 12.84"	W112° 03' 42.79"	77.5	3,987.8		PROVIDE OL
183967	CONICAL	GROUND	N34° 43' 16.05"	W112° 03' 39.40"	45.3	3,955.6		PROVIDE OL
183983	CONICAL	TREE	N34° 43' 24.93"	W112° 03' 42.33"	87.5	3,997.8		TRIM/REMOVE
183991	CONICAL	TREE	N34° 43' 24.80"	W112° 03' 44.76"	136.1	4,046.4		TRIM/REMOVE
183999	CONICAL	TREE	N34° 43' 25.97"	W112° 03' 42.54"	101.2	4,011.5		TRIM/REMOVE
184007	CONICAL	TREE	N34° 43' 21.92"	W112° 03' 38.56"	117.3	4,027.6		TRIM/REMOVE
184015	CONICAL	TREE	N34° 43' 22.45"	W112° 03' 37.03"	89.6	3,999.9		TRIM/REMOVE
184023	CONICAL	TREE	N34° 43' 24.25"	W112° 03' 34.03"	82.3	3,992.6		TRIM/REMOVE
184031	CONICAL	TREE	N34° 43' 25.23"	W112° 03' 34.69"	43.1	3,953.4		TRIM/REMOVE
184039	CONICAL	TREE	N34° 43' 25.96"	W112° 03' 35.77"	9.3	3,919.6		TRIM/REMOVE
184047	CONICAL	TREE	N34° 43' 26.59"	W112° 03' 37.29"	2.0	3,912.3		TRIM/REMOVE
184055	CONICAL	TREE	N34° 43' 27.58"	W112° 03' 37.25"	29.0	3,939.3		TRIM/REMOVE
184063	CONICAL	TREE	N34° 43' 25.35"	W112° 03' 38.17"	18.6	3,928.9		TRIM/REMOVE
184071	CONICAL	TREE	N34° 43' 25.40"	W112° 03' 33.69"	40.2	3,950.5		TRIM/REMOVE
184079	CONICAL	TREE	N34° 43' 25.00"	W112° 03' 32.48"	55.6	3,965.9		TRIM/REMOVE
184087	CONICAL	TREE	N34° 43' 25.50"	W112° 03' 30.58"	29.9	3,940.2		TRIM/REMOVE
184095	CONICAL	TREE	N34° 43' 25.51"	W112° 03' 29.51"	3.2	3,913.5		TRIM/REMOVE
184103	CONICAL	TREE	N34° 43' 24.73"	W112° 03' 28.91"	12.2	3,922.5		TRIM/REMOVE
184111	CONICAL	TREE	N34° 43' 23.50"	W112° 03' 28.82"	33.4	3,943.7		TRIM/REMOVE
184119	CONICAL	TREE	N34° 43' 22.32"	W112° 03' 29.71"	26.1	3,936.4		TRIM/REMOVE
184127	CONICAL	TREE	N34° 43' 22.99"	W112° 03' 30.55"	44.4	3,954.7		TRIM/REMOVE
184135	CONICAL	TREE	N34° 43' 22.90"	W112° 03' 32.14"	42.9	3,953.2		TRIM/REMOVE
184143	CONICAL	TREE	N34° 43' 22.40"	W112° 03' 32.98"	39.5	3,949.8		TRIM/REMOVE
184151	CONICAL	TREE	N34° 43' 21.16"	W112° 03' 33.00"	12.2	3,922.5		TRIM/REMOVE
184159	CONICAL	TREE	N34° 43' 23.31"	W112° 03' 27.87"	11.9	3,922.2		TRIM/REMOVE
184303	CONICAL	TREE	N34° 43' 29.03"	W112° 03' 35.21"	4.4	3,914.7		TRIM/REMOVE
184311	CONICAL	TREE	N34° 43' 28.13"	W112° 03' 36.04"	4.4	3,914.7		TRIM/REMOVE
184327	CONICAL	TREE	N34° 43' 26.22"	W112° 03' 33.52"	7.3	3,917.6		TRIM/REMOVE
184335	CONICAL	TREE	N34° 43' 26.32"	W112° 03' 31.51"	4.8	3,915.1		TRIM/REMOVE
184663	CONICAL	TREE	N34° 43' 22.36"	W112° 03' 28.40"	18.8	3,929.1		TRIM/REMOVE
184823	CONICAL	TREE	N34° 43' 16.94"	W112° 03' 32.42"	34.1	3,944.4		TRIM/REMOVE
184847	CONICAL	SCRUB	N34° 43' 09.61"	W112° 03' 41.86"	31.9	3,942.2		TRIM/REMOVE
184855	CONICAL	SCRUB	N34° 43' 15.88"	W112° 03' 46.40"	120.7	4,031.0		TRIM/REMOVE
185375	CONICAL	TREE	N34° 43' 16.16"	W112° 03' 43.30"	129.1	4,039.4		TRIM/REMOVE
185391	CONICAL	SCRUB	N34° 43' 25.91"	W112° 03' 39.95"	48.5	3,958.8		TRIM/REMOVE
185399	CONICAL	SCRUB	N34° 43' 25.30"	W112° 03' 40.69"	53.3	3,963.6		TRIM/REMOVE
185407	CONICAL	SCRUB	N34° 43' 26.35"	W112° 03' 38.67"	22.3	3,932.6		TRIM/REMOVE
185415	CONICAL	SCRUB	N34° 43' 28.48"	W112° 03' 40.05"	39.7	3,950.0		TRIM/REMOVE
185455	CONICAL	SCRUB	N34° 43' 23.79"	W112° 03' 41.48"	87.4	3,997.7		TRIM/REMOVE
185463	CONICAL	SCRUB	N34° 43' 22.29"	W112° 03' 44.48"	146.3	4,056.6		TRIM/REMOVE
185471	CONICAL	SCRUB	N34° 43' 22.27"	W112° 03' 46.51"	188.2	4,098.5		TRIM/REMOVE
185479	CONICAL	TREE	N34° 43' 21.84"	W112° 03' 49.10"	252.7	4,163.0		TRIM/REMOVE
185663	CONICAL	SCRUB	N34° 43' 31.31"	W112° 03' 47.75"	108.8	4,019.1		TRIM/REMOVE
185671	CONICAL	SCRUB	N34° 43' 32.12"	W112° 03' 48.18"	68.6	3,978.9		TRIM/REMOVE
185679	CONICAL	SCRUB	N34° 43' 32.92"	W112° 03' 49.07"	19.1	3,929.4		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
CONICAL SURFACE PENETRATION GROUP *(CONT.)*								
185687	CONICAL	SCRUB	N34° 43' 31.88"	W112° 03' 45.60"	115.2	4,025.5		TRIM/REMOVE
185695	CONICAL	SCRUB	N34° 43' 32.59"	W112° 03' 44.22"	110.5	4,020.8		TRIM/REMOVE
185703	CONICAL	SCRUB	N34° 43' 30.26"	W112° 03' 44.35"	99.6	4,009.9		TRIM/REMOVE
185711	CONICAL	SCRUB	N34° 43' 28.96"	W112° 03' 46.34"	137.0	4,047.3		TRIM/REMOVE
185727	CONICAL	TREE	N34° 43' 37.02"	W112° 03' 39.74"	12.4	3,922.7		TRIM/REMOVE
185759	CONICAL	TREE	N34° 43' 37.17"	W112° 03' 35.83"	14.0	3,924.3		TRIM/REMOVE
185767	CONICAL	TREE	N34° 43' 36.21"	W112° 03' 35.28"	41.3	3,951.6		TRIM/REMOVE
185775	CONICAL	TREE	N34° 43' 37.36"	W112° 03' 34.19"	7.7	3,918.0		TRIM/REMOVE
185783	CONICAL	TREE	N34° 43' 34.65"	W112° 03' 33.79"	28.0	3,938.3		TRIM/REMOVE
185791	CONICAL	TREE	N34° 43' 34.66"	W112° 03' 35.15"	43.7	3,954.0		TRIM/REMOVE
185799	CONICAL	TREE	N34° 43' 34.56"	W112° 03' 37.71"	67.7	3,978.0		TRIM/REMOVE
187064	CONICAL	TREE	N34° 43' 35.39"	W112° 03' 43.74"	53.7	3,964.0		TRIM/REMOVE
187072	CONICAL	TREE	N34° 43' 36.17"	W112° 03' 41.94"	58.0	3,968.3		TRIM/REMOVE
187088	CONICAL	TREE	N34° 43' 34.37"	W112° 03' 45.20"	38.6	3,948.9		TRIM/REMOVE
187104	CONICAL	TREE	N34° 43' 33.67"	W112° 03' 45.69"	52.0	3,962.3		TRIM/REMOVE
187112	CONICAL	TREE	N34° 43' 33.42"	W112° 03' 47.97"	19.7	3,930.0		TRIM/REMOVE
187120	CONICAL	TREE	N34° 43' 32.13"	W112° 03' 47.14"	83.8	3,994.1		TRIM/REMOVE
187128	CONICAL	TREE	N34° 43' 32.67"	W112° 03' 50.76"	18.8	3,929.1		TRIM/REMOVE
187136	CONICAL	TREE	N34° 43' 31.57"	W112° 03' 50.83"	50.6	3,960.9		TRIM/REMOVE
187144	CONICAL	TREE	N34° 43' 29.93"	W112° 03' 50.17"	123.6	4,033.9		TRIM/REMOVE
187152	CONICAL	TREE	N34° 43' 29.66"	W112° 03' 52.30"	108.2	4,018.5		TRIM/REMOVE
187160	CONICAL	TREE	N34° 43' 29.16"	W112° 03' 53.32"	107.7	4,018.0		TRIM/REMOVE
187240	CONICAL	SCRUB	N34° 43' 33.67"	W112° 03' 56.09"	183.0	4,093.3		TRIM/REMOVE
187248	CONICAL	SCRUB	N34° 43' 33.80"	W112° 03' 54.52"	132.2	4,042.5		TRIM/REMOVE
187256	CONICAL	SCRUB	N34° 43' 34.91"	W112° 03' 55.58"	187.6	4,097.9		TRIM/REMOVE
187264	CONICAL	TREE	N34° 43' 36.61"	W112° 03' 57.10"	162.7	4,073.0		TRIM/REMOVE
187272	CONICAL	TREE	N34° 43' 36.19"	W112° 03' 55.35"	163.7	4,074.0		TRIM/REMOVE
187280	CONICAL	TREE	N34° 43' 39.33"	W112° 03' 55.87"	110.9	4,021.2		TRIM/REMOVE
187288	CONICAL	TREE	N34° 43' 39.06"	W112° 03' 57.09"	108.6	4,018.9		TRIM/REMOVE
187296	CONICAL	TREE	N34° 43' 38.50"	W112° 03' 58.59"	111.7	4,022.0		TRIM/REMOVE
187408	CONICAL	SCRUB	N34° 43' 31.76"	W112° 03' 54.79"	102.8	4,013.1		TRIM/REMOVE
187496	CONICAL	SCRUB	N34° 43' 35.68"	W112° 03' 56.71"	188.6	4,098.9		TRIM/REMOVE
187504	CONICAL	SCRUB	N34° 43' 34.88"	W112° 03' 53.48"	130.2	4,040.5		TRIM/REMOVE
187512	CONICAL	SCRUB	N34° 43' 34.10"	W112° 03' 52.44"	86.1	3,996.4		TRIM/REMOVE
187520	CONICAL	SCRUB	N34° 43' 35.40"	W112° 03' 51.87"	97.1	4,007.4		TRIM/REMOVE
187528	CONICAL	SCRUB	N34° 43' 32.44"	W112° 03' 53.08"	76.1	3,986.4		TRIM/REMOVE
187536	CONICAL	TREE	N34° 43' 31.21"	W112° 03' 53.64"	57.8	3,968.1		TRIM/REMOVE
187544	CONICAL	TREE	N34° 43' 30.29"	W112° 03' 54.67"	89.6	3,999.9		TRIM/REMOVE
187592	CONICAL	TREE	N34° 43' 38.17"	W112° 03' 53.98"	92.7	4,003.0		TRIM/REMOVE
187600	CONICAL	GROUND	N34° 43' 36.50"	W112° 03' 52.01"	102.5	4,012.8		PROVIDE OL
187608	CONICAL	SCRUB	N34° 43' 35.26"	W112° 03' 49.32"	25.0	3,935.3		TRIM/REMOVE
187616	CONICAL	SCRUB	N34° 43' 34.30"	W112° 03' 50.30"	32.2	3,942.5		TRIM/REMOVE
187624	CONICAL	SCRUB	N34° 43' 36.45"	W112° 03' 49.64"	51.8	3,962.1		TRIM/REMOVE
187656	CONICAL	TREE	N34° 43' 38.01"	W112° 03' 47.95"	3.5	3,913.8		TRIM/REMOVE
187664	CONICAL	TREE	N34° 43' 37.76"	W112° 03' 49.28"	35.3	3,945.6		TRIM/REMOVE
187672	CONICAL	TREE	N34° 43' 37.77"	W112° 03' 51.52"	66.8	3,977.1		TRIM/REMOVE
187680	CONICAL	TREE	N34° 43' 36.62"	W112° 03' 54.13"	136.6	4,046.9		TRIM/REMOVE
187696	CONICAL	TREE	N34° 43' 38.86"	W112° 03' 59.47"	102.1	4,012.4		TRIM/REMOVE
187832	CONICAL	TREE	N34° 43' 45.39"	W112° 04' 01.33"	79.1	3,989.4		TRIM/REMOVE
187840	CONICAL	TREE	N34° 43' 44.85"	W112° 03' 59.55"	42.9	3,953.2		TRIM/REMOVE
187848	CONICAL	TREE	N34° 43' 45.42"	W112° 03' 58.88"	28.6	3,938.9		TRIM/REMOVE
187856	CONICAL	TREE	N34° 43' 46.24"	W112° 04' 00.30"	47.4	3,957.7		TRIM/REMOVE
187864	CONICAL	TREE	N34° 43' 47.45"	W112° 03' 59.98"	33.7	3,944.0		TRIM/REMOVE
187872	CONICAL	TREE	N34° 43' 47.35"	W112° 03' 58.90"	22.6	3,932.9		TRIM/REMOVE
187880	CONICAL	TREE	N34° 43' 46.86"	W112° 03' 57.88"	19.7	3,930.0		TRIM/REMOVE
187888	CONICAL	TREE	N34° 43' 46.05"	W112° 03' 58.20"	20.9	3,931.2		TRIM/REMOVE
187896	CONICAL	TREE	N34° 43' 46.55"	W112° 03' 56.49"	1.8	3,912.2		TRIM/REMOVE
187920	CONICAL	TREE	N34° 43' 43.98"	W112° 03' 56.77"	0.4	3,910.7		TRIM/REMOVE
187928	CONICAL	TREE	N34° 43' 43.55"	W112° 03' 58.45"	16.2	3,926.5		TRIM/REMOVE
187936	CONICAL	TREE	N34° 43' 43.27"	W112° 03' 57.45"	7.7	3,918.0		TRIM/REMOVE
187944	CONICAL	TREE	N34° 43' 42.24"	W112° 03' 58.88"	12.9	3,923.2		TRIM/REMOVE
187952	CONICAL	TREE	N34° 43' 40.51"	W112° 03' 57.36"	60.8	3,971.1		TRIM/REMOVE
187960	CONICAL	TREE	N34° 43' 39.52"	W112° 03' 58.09"	74.5	3,984.8		TRIM/REMOVE
187968	CONICAL	TREE	N34° 43' 40.46"	W112° 03' 59.80"	41.2	3,951.5		TRIM/REMOVE
187976	CONICAL	TREE	N34° 43' 40.35"	W112° 03' 58.63"	47.1	3,957.4		TRIM/REMOVE
187984	CONICAL	TREE	N34° 43' 41.26"	W112° 03' 56.53"	48.3	3,958.6		TRIM/REMOVE
187992	CONICAL	TREE	N34° 43' 41.40"	W112° 03' 54.78"	59.0	3,969.3		TRIM/REMOVE
188000	CONICAL	TREE	N34° 43' 40.38"	W112° 03' 54.62"	91.1	4,001.4		TRIM/REMOVE
188008	CONICAL	TREE	N34° 43' 42.16"	W112° 03' 53.66"	37.9	3,948.2		TRIM/REMOVE
188016	CONICAL	TREE	N34° 43' 42.67"	W112° 03' 55.23"	18.6	3,928.9		TRIM/REMOVE
188032	CONICAL	TREE	N34° 43' 42.52"	W112° 03' 52.38"	26.0	3,936.3		TRIM/REMOVE
188040	CONICAL	TREE	N34° 43' 41.55"	W112° 03' 51.41"	61.7	3,972.0		TRIM/REMOVE
188048	CONICAL	TREE	N34° 43' 40.70"	W112° 03' 50.87"	78.9	3,989.2		TRIM/REMOVE
188056	CONICAL	TREE	N34° 43' 39.92"	W112° 03' 51.98"	85.6	3,995.9		TRIM/REMOVE
188072	CONICAL	GROUND	N34° 43' 33.31"	W112° 03' 55.31"	147.8	4,058.1		PROVIDE OL
188080	CONICAL	GROUND	N34° 43' 33.69"	W112° 03' 53.28"	89.0	3,999.3		PROVIDE OL
188088	CONICAL	GROUND	N34° 43' 36.08"	W112° 03' 57.85"	170.3	4,080.6		PROVIDE OL
188104	CONICAL	SCRUB	N34° 43' 30.67"	W112° 03' 52.38"	68.9	3,979.2		TRIM/REMOVE
188112	CONICAL	SCRUB	N34° 43' 31.75"	W112° 03' 52.24"	30.1	3,940.4		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
CONICAL SURFACE PENETRATION GROUP *(CONT.)*								
188120	CONICAL	SCRUB	N34° 43' 33.46"	W112° 03' 50.99"	36.3	3,946.6		TRIM/REMOVE
188128	CONICAL	SCRUB	N34° 43' 32.82"	W112° 03' 52.32"	58.7	3,969.0		TRIM/REMOVE
188136	CONICAL	SCRUB	N34° 43' 34.71"	W112° 03' 51.06"	60.3	3,970.6		TRIM/REMOVE
188144	CONICAL	TREE	N34° 43' 35.76"	W112° 03' 44.62"	16.5	3,926.8		TRIM/REMOVE
188168	CONICAL	TREE	N34° 43' 39.49"	W112° 03' 48.22"	9.6	3,919.9		TRIM/REMOVE
188176	CONICAL	TREE	N34° 43' 42.09"	W112° 03' 47.87"	21.4	3,931.7		TRIM/REMOVE
188192	CONICAL	TREE	N34° 43' 42.80"	W112° 03' 49.75"	9.5	3,919.8		TRIM/REMOVE
188264	CONICAL	TREE	N34° 43' 41.57"	W112° 03' 46.74"	6.1	3,916.4		TRIM/REMOVE
188272	CONICAL	SCRUB	N34° 43' 40.38"	W112° 03' 47.82"	20.2	3,930.5		TRIM/REMOVE
188328	CONICAL	SCRUB	N34° 43' 36.09"	W112° 03' 50.97"	84.4	3,994.7		TRIM/REMOVE
188336	CONICAL	SCRUB	N34° 43' 37.47"	W112° 03' 53.16"	91.1	4,001.4		TRIM/REMOVE
188344	CONICAL	SCRUB	N34° 43' 37.95"	W112° 03' 55.58"	114.3	4,024.6		TRIM/REMOVE
188352	CONICAL	SCRUB	N34° 43' 36.94"	W112° 03' 56.06"	139.6	4,049.9		TRIM/REMOVE
188360	CONICAL	TREE	N34° 43' 37.31"	W112° 03' 56.89"	143.8	4,054.1		TRIM/REMOVE
188368	CONICAL	SCRUB	N34° 43' 39.02"	W112° 03' 53.90"	101.7	4,012.0		TRIM/REMOVE
188376	CONICAL	SCRUB	N34° 43' 39.05"	W112° 03' 52.65"	78.2	3,988.5		TRIM/REMOVE
188384	CONICAL	SCRUB	N34° 43' 39.53"	W112° 03' 50.48"	43.2	3,953.5		TRIM/REMOVE
188392	CONICAL	SCRUB	N34° 43' 39.53"	W112° 03' 49.41"	24.5	3,934.8		TRIM/REMOVE
188400	CONICAL	SCRUB	N34° 43' 36.98"	W112° 03' 42.32"	19.9	3,930.2		TRIM/REMOVE
188408	CONICAL	SCRUB	N34° 43' 36.51"	W112° 03' 40.66"	38.1	3,948.4		TRIM/REMOVE
188592	CONICAL	SCRUB	N34° 43' 35.71"	W112° 03' 33.60"	11.5	3,921.8		TRIM/REMOVE
188600	CONICAL	SCRUB	N34° 43' 36.40"	W112° 03' 34.21"	15.6	3,925.9		TRIM/REMOVE
188720	CONICAL	TREE	N34° 43' 36.28"	W112° 03' 39.58"	19.3	3,929.6		TRIM/REMOVE
188848	CONICAL	TREE	N34° 43' 31.91"	W112° 03' 41.76"	74.2	3,984.5		TRIM/REMOVE
188856	CONICAL	TREE	N34° 43' 30.69"	W112° 03' 44.79"	129.2	4,039.5		TRIM/REMOVE
189008	CONICAL	SCRUB	N34° 43' 37.90"	W112° 03' 50.50"	46.3	3,956.6		TRIM/REMOVE
189160	CONICAL	TREE	N34° 43' 47.28"	W112° 04' 00.88"	46.8	3,957.1		TRIM/REMOVE
189168	CONICAL	TREE	N34° 43' 48.06"	W112° 04' 01.21"	43.4	3,953.7		TRIM/REMOVE
189176	CONICAL	TREE	N34° 43' 49.01"	W112° 04' 02.29"	48.6	3,958.9		TRIM/REMOVE
189184	CONICAL	TREE	N34° 43' 50.26"	W112° 03' 57.16"	4.6	3,914.9		TRIM/REMOVE
189936	CONICAL	SCRUB	N34° 43' 47.83"	W112° 03' 57.65"	4.3	3,914.6		TRIM/REMOVE
189944	CONICAL	SCRUB	N34° 43' 48.87"	W112° 03' 58.54"	7.3	3,917.6		TRIM/REMOVE
189952	CONICAL	SCRUB	N34° 43' 49.58"	W112° 03' 59.80"	16.0	3,926.3		TRIM/REMOVE
189960	CONICAL	SCRUB	N34° 43' 48.42"	W112° 04' 00.12"	19.4	3,929.7		TRIM/REMOVE
189968	CONICAL	SCRUB	N34° 43' 48.97"	W112° 04' 01.05"	30.1	3,940.4		TRIM/REMOVE
190000	CONICAL	SCRUB	N34° 43' 43.58"	W112° 03' 59.32"	38.9	3,949.2		TRIM/REMOVE
190008	CONICAL	SCRUB	N34° 43' 42.89"	W112° 04' 00.32"	54.4	3,964.7		TRIM/REMOVE
190016	CONICAL	SCRUB	N34° 43' 42.17"	W112° 03' 59.92"	24.2	3,934.5		TRIM/REMOVE
190096	CONICAL	TREE	N34° 43' 42.09"	W112° 03' 50.04"	37.9	3,948.2		TRIM/REMOVE
190104	CONICAL	TREE	N34° 43' 41.66"	W112° 03' 49.46"	51.2	3,961.5		TRIM/REMOVE
190800	CONICAL	SCRUB	N34° 43' 42.07"	W112° 03' 56.89"	18.8	3,929.1		TRIM/REMOVE
190808	CONICAL	SCRUB	N34° 43' 41.13"	W112° 03' 58.70"	25.9	3,936.2		TRIM/REMOVE
191672	CONICAL	SCRUB	N34° 43' 44.46"	W112° 04' 01.58"	86.1	3,996.4		TRIM/REMOVE
191800	CONICAL	SCRUB	N34° 43' 32.27"	W112° 03' 49.71"	28.7	3,939.0		TRIM/REMOVE
192320	CONICAL	SCRUB	N34° 42' 23.56"	W112° 02' 48.24"	33.2	3,943.5		TRIM/REMOVE
192328	CONICAL	SCRUB	N34° 42' 22.91"	W112° 02' 50.38"	44.2	3,954.5		TRIM/REMOVE
192336	CONICAL	SCRUB	N34° 42' 24.82"	W112° 02' 51.03"	21.2	3,931.5		TRIM/REMOVE
192344	CONICAL	SCRUB	N34° 42' 23.57"	W112° 02' 51.77"	47.5	3,957.8		TRIM/REMOVE
192352	CONICAL	SCRUB	N34° 42' 20.45"	W112° 02' 53.60"	64.5	3,974.8		TRIM/REMOVE
192360	CONICAL	SCRUB	N34° 42' 22.45"	W112° 02' 57.98"	70.9	3,981.2		TRIM/REMOVE
192368	CONICAL	SCRUB	N34° 42' 20.76"	W112° 03' 02.03"	90.6	4,000.9		TRIM/REMOVE
192376	CONICAL	SCRUB	N34° 42' 19.19"	W112° 03' 02.31"	103.3	4,013.6		TRIM/REMOVE
192384	CONICAL	SCRUB	N34° 42' 19.13"	W112° 03' 03.67"	106.8	4,017.1		TRIM/REMOVE
192408	CONICAL	SCRUB	N34° 42' 28.32"	W112° 02' 56.51"	8.9	3,919.2		TRIM/REMOVE
192528	CONICAL	TREE	N34° 42' 31.13"	W112° 03' 07.63"	40.8	3,951.1		TRIM/REMOVE
192536	CONICAL	TREE	N34° 42' 28.00"	W112° 03' 12.02"	62.5	3,972.8		TRIM/REMOVE
192640	CONICAL	TREE	N34° 42' 39.79"	W112° 03' 11.85"	49.4	3,959.7		TRIM/REMOVE
192656	CONICAL	SCRUB	N34° 42' 43.97"	W112° 03' 15.35"	49.4	3,959.7		TRIM/REMOVE
192664	CONICAL	SCRUB	N34° 42' 43.40"	W112° 03' 16.28"	54.6	3,964.9		TRIM/REMOVE
192888	CONICAL	SCRUB	N34° 42' 48.44"	W112° 03' 15.25"	26.8	3,937.1		TRIM/REMOVE
192896	CONICAL	SCRUB	N34° 42' 42.97"	W112° 03' 25.58"	114.3	4,024.6		TRIM/REMOVE
192904	CONICAL	SCRUB	N34° 42' 43.45"	W112° 03' 28.05"	159.3	4,069.6		TRIM/REMOVE
193032	CONICAL	SCRUB	N34° 42' 50.88"	W112° 03' 21.30"	29.3	3,939.6		TRIM/REMOVE
193040	CONICAL	SCRUB	N34° 42' 51.22"	W112° 03' 22.64"	30.4	3,940.7		TRIM/REMOVE
193048	CONICAL	SCRUB	N34° 42' 52.39"	W112° 03' 21.43"	16.0	3,926.3		TRIM/REMOVE
193056	CONICAL	SCRUB	N34° 42' 54.12"	W112° 03' 18.44"	1.5	3,911.8		TRIM/REMOVE
193064	CONICAL	SCRUB	N34° 42' 53.23"	W112° 03' 16.81"	0.5	3,910.8		TRIM/REMOVE
193072	CONICAL	SCRUB	N34° 42' 51.84"	W112° 03' 17.71"	14.5	3,924.8		TRIM/REMOVE
193320	CONICAL	SCRUB	N34° 42' 56.51"	W112° 03' 26.25"	1.4	3,911.7		TRIM/REMOVE
193360	CONICAL	TREE	N34° 42' 54.58"	W112° 03' 33.20"	72.1	3,982.4		TRIM/REMOVE
193368	CONICAL	TREE	N34° 42' 56.27"	W112° 03' 31.67"	41.0	3,951.3		TRIM/REMOVE
193376	CONICAL	TREE	N34° 42' 54.47"	W112° 03' 28.33"	31.2	3,941.5		TRIM/REMOVE
193728	CONICAL	SCRUB	N34° 43' 04.64"	W112° 03' 28.57"	43.7	3,954.0		TRIM/REMOVE
193928	CONICAL	SCRUB	N34° 43' 16.61"	W112° 03' 41.20"	70.0	3,980.3		TRIM/REMOVE
193936	CONICAL	SCRUB	N34° 43' 15.17"	W112° 03' 44.41"	103.6	4,013.9		TRIM/REMOVE
193992	CONICAL	TREE	N34° 43' 24.28"	W112° 03' 36.50"	73.5	3,983.8		TRIM/REMOVE
194000	CONICAL	TREE	N34° 43' 25.28"	W112° 03' 31.63"	45.3	3,955.6		TRIM/REMOVE
194056	CONICAL	TREE	N34° 43' 28.17"	W112° 03' 37.83"	41.3	3,951.6		TRIM/REMOVE
194064	CONICAL	TREE	N34° 43' 27.13"	W112° 03' 41.29"	82.0	3,992.3		TRIM/REMOVE

NOTES

1. SURVEY PERFORMED JULY 2020.
2. PART 77 SURFACES BASED ON 14 CFR PART 77.
3. PART 77 APPROACH SURFACES SHOWN ON SHEET 34 - INNER PORTION OF THE APPROACH SURFACE DRAWING; PART 77 APPROACH SURFACE OBSTRUCTIONS LISTED ON SHEETS 35-36.
4. TRAVERSEWAY ELEVATIONS INCLUDE THE FOLLOWING ADJUSTMENTS: PRIVATE ROADS: 10', PUBLIC ROADS: 15'. NO INTERSTATE HIGHWAYS OR RAILROADS ARE LOCATED IN THE IMMEDIATE VICINITY OF THE AIRPORT.
5. SURVEY IDENTIFIED A TOTAL OF 6,298 OBSTRUCTIONS TO PART 77 SURFACES, NOT INCLUDING PART 77 APPROACH SURFACES. OBSTRUCTIONS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT TOP 2% OF PENETRATIONS TO EACH PART 77 SURFACE.
6. OBSTRUCTION GROUPS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT APPROXIMATE LOCATION OF ALL OBSTRUCTIONS. COMPREHENSIVE LISTS OF OBSTRUCTIONS TO EACH PART 77 SURFACE, NOT INCLUDING PART 77 APPROACH SURFACES, ARE INCLUDED ON SHEETS 7-33.
7. OBSTRUCTION DESCRIPTIONS ARE GROUPED IN THE SUMMARY TABLE ON SHEET 6 - AIRPORT AIRSPACE DRAWING PER THE FOLLOWING: VEGETATION = BUSH, SCRUB, TREE; GROUND = GROUND; BUILDINGS/HANGARS = BUILDING, HANGAR; POLES/TOWERS = ANTENNA, BEACON, POLE, POLE_LIGHT, POLE_UTIL, POST, TRANSMISSION_PYLON, VERTICAL_POINT; NAVAIDS = PAPI, PAPI_CONTROL_BOX, REIL, SIGN, WINDSOCK; GROUND TRANSPORTATION = PARKING_LOT, ROAD - PRIVATE, ROAD - PUBLIC, STREET SIGN; UTILITY INFRASTRUCTURE = A/G PIPE, DAM, ELEC_BOX, MISC_UTIL, SOLAR_PANELS, TANK, TRANSFORMER; FENCE = FENCE, GATE; OTHER = CANOPY, DIRT_PILE, WALL
8. ALL HEIGHTS SHOWN IN FEET.
9. OBSTRUCTION HEIGHT ABOVE GROUND LEVEL PROVIDED WHERE AVAILABLE.
10. DEFINITIONS: PEN = PENETRATION; MSL = MEAN SEA LEVEL; AGL = ABOVE GROUND LEVEL; OL = OBSTRUCTION LIGHTING; DNH = DETERMINATION OF NO HAZARD

NO.	DATE	REVISIONS	BY	APPR.
5				
4				
3				
2				
1				

Kimley»Horn

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COTTONWOOD MUNICIPAL AIRPORT
COTTONWOOD, AZ

AIRPORT AIRSPACE DRAWING - PART 77 SURFACE PENETRATION TABLES (26 OF 27)

JOB NO. 291447000	DRAWN KH	CHECKED CBW	SHEET 32 OF 40
DATE: DECEMBER 2022	DESIGNED JTC	APPROVED CBW	

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
CONICAL SURFACE PENETRATION GROUP *(CONT.)*								
194072	CONICAL	SCRUB	N34° 43' 24.17"	W112° 03' 49.61"	172.7	4,083.0		TRIM/REMOVE
194176	CONICAL	TREE	N34° 43' 41.78"	W112° 03' 52.74"	53.8	3,964.1		TRIM/REMOVE
194184	CONICAL	SCRUB	N34° 43' 41.07"	W112° 03' 53.48"	70.8	3,981.1		TRIM/REMOVE
195424	CONICAL	TREE	N34° 44' 12.45"	W112° 04' 06.18"	34.5	3,944.8		TRIM/REMOVE
195432	CONICAL	TREE	N34° 44' 13.72"	W112° 04' 05.77"	16.5	3,926.8		TRIM/REMOVE
195440	CONICAL	TREE	N34° 44' 12.70"	W112° 04' 04.90"	17.2	3,927.5		TRIM/REMOVE
195448	CONICAL	TREE	N34° 44' 12.92"	W112° 04' 03.51"	0.7	3,911.0		TRIM/REMOVE
195664	CONICAL	TREE	N34° 44' 23.99"	W112° 04' 04.99"	96.9	4,007.2		TRIM/REMOVE
195672	CONICAL	TREE	N34° 44' 21.31"	W112° 04' 03.60"	95.2	4,005.5		TRIM/REMOVE
195680	CONICAL	TREE	N34° 44' 20.78"	W112° 04' 01.87"	92.4	4,002.7		TRIM/REMOVE
195688	CONICAL	TREE	N34° 44' 21.87"	W112° 04' 01.56"	41.6	3,951.9		TRIM/REMOVE
195696	CONICAL	TREE	N34° 44' 21.35"	W112° 04' 00.49"	54.4	3,964.7		TRIM/REMOVE
195704	CONICAL	TREE	N34° 44' 20.59"	W112° 03' 59.85"	65.7	3,976.0		TRIM/REMOVE
195712	CONICAL	TREE	N34° 44' 21.46"	W112° 03' 59.36"	25.7	3,936.0		TRIM/REMOVE
195752	CONICAL	TREE	N34° 44' 19.34"	W112° 03' 57.99"	18.1	3,928.4		TRIM/REMOVE
195760	CONICAL	TREE	N34° 44' 18.97"	W112° 04' 00.02"	74.7	3,985.0		TRIM/REMOVE
195768	CONICAL	TREE	N34° 44' 19.04"	W112° 04' 01.15"	101.3	4,011.6		TRIM/REMOVE
195776	CONICAL	TREE	N34° 44' 18.85"	W112° 04' 04.15"	115.8	4,026.1		TRIM/REMOVE
195784	CONICAL	TREE	N34° 44' 19.64"	W112° 04' 04.47"	140.1	4,050.4		TRIM/REMOVE
195936	CONICAL	TREE	N34° 44' 02.12"	W112° 04' 01.94"	6.8	3,917.1		TRIM/REMOVE
195944	CONICAL	TREE	N34° 44' 00.53"	W112° 04' 01.48"	54.6	3,964.9		TRIM/REMOVE
195952	CONICAL	TREE	N34° 43' 58.85"	W112° 04' 02.63"	85.5	3,995.8		TRIM/REMOVE
195960	CONICAL	TREE	N34° 43' 58.37"	W112° 04' 03.13"	85.5	3,995.8		TRIM/REMOVE
195968	CONICAL	TREE	N34° 44' 00.27"	W112° 04' 03.35"	70.3	3,980.6		TRIM/REMOVE
195976	CONICAL	TREE	N34° 44' 00.16"	W112° 04' 04.38"	57.0	3,967.3		TRIM/REMOVE
196000	CONICAL	TREE	N34° 43' 57.83"	W112° 04' 05.30"	100.2	4,010.5		TRIM/REMOVE
196728	CONICAL	TREE	N34° 44' 33.22"	W112° 03' 59.81"	1.6	3,911.9		TRIM/REMOVE
196736	CONICAL	TREE	N34° 44' 33.17"	W112° 04' 01.39"	13.9	3,924.2		TRIM/REMOVE
196768	CONICAL	TREE	N34° 44' 26.92"	W112° 03' 59.45"	14.5	3,924.8		TRIM/REMOVE
196776	CONICAL	TREE	N34° 44' 26.41"	W112° 04' 00.15"	33.5	3,943.8		TRIM/REMOVE
197792	CONICAL	TREE	N34° 43' 56.49"	W112° 03' 57.59"	3.2	3,913.5		TRIM/REMOVE
197800	CONICAL	TREE	N34° 43' 54.89"	W112° 03' 57.02"	5.2	3,915.5		TRIM/REMOVE
197808	CONICAL	TREE	N34° 43' 53.76"	W112° 03' 56.69"	7.5	3,917.8		TRIM/REMOVE
197888	CONICAL	TREE	N34° 43' 53.81"	W112° 03' 58.55"	15.5	3,925.8		TRIM/REMOVE
197896	CONICAL	TREE	N34° 43' 52.84"	W112° 03' 59.38"	22.8	3,933.1		TRIM/REMOVE
197904	CONICAL	TREE	N34° 43' 53.35"	W112° 04' 00.54"	27.1	3,937.4		TRIM/REMOVE
197912	CONICAL	TREE	N34° 43' 55.52"	W112° 04' 02.47"	47.1	3,957.4		TRIM/REMOVE
197920	CONICAL	TREE	N34° 43' 53.58"	W112° 04' 02.72"	55.9	3,966.2		TRIM/REMOVE
197928	CONICAL	TREE	N34° 43' 53.99"	W112° 04' 03.87"	78.1	3,988.4		TRIM/REMOVE
197936	CONICAL	TREE	N34° 43' 55.06"	W112° 04' 04.67"	89.6	3,999.9		TRIM/REMOVE
198408	CONICAL	TREE	N34° 43' 52.38"	W112° 04' 03.95"	46.6	3,956.9		TRIM/REMOVE
198416	CONICAL	TREE	N34° 43' 51.97"	W112° 04' 03.01"	33.0	3,943.3		TRIM/REMOVE
198424	CONICAL	TREE	N34° 43' 54.57"	W112° 04' 02.24"	49.2	3,959.5		TRIM/REMOVE
198432	CONICAL	TREE	N34° 43' 55.49"	W112° 04' 01.42"	33.0	3,943.3		TRIM/REMOVE
198440	CONICAL	TREE	N34° 43' 56.81"	W112° 04' 00.88"	14.5	3,924.8		TRIM/REMOVE
198448	CONICAL	TREE	N34° 43' 57.48"	W112° 04' 01.20"	19.2	3,929.5		TRIM/REMOVE
198456	CONICAL	TREE	N34° 43' 58.55"	W112° 04' 01.43"	31.9	3,942.2		TRIM/REMOVE
198464	CONICAL	TREE	N34° 43' 58.00"	W112° 04' 00.06"	7.4	3,917.7		TRIM/REMOVE
198704	CONICAL	TREE	N34° 44' 02.89"	W112° 04' 02.90"	1.1	3,911.4		TRIM/REMOVE
198712	CONICAL	TREE	N34° 44' 01.61"	W112° 04' 03.21"	16.8	3,927.1		TRIM/REMOVE
198720	CONICAL	TREE	N34° 44' 02.45"	W112° 04' 04.89"	9.6	3,919.9		TRIM/REMOVE
198728	CONICAL	TREE	N34° 44' 04.37"	W112° 04' 04.39"	6.2	3,916.5		TRIM/REMOVE
198744	CONICAL	TREE	N34° 44' 05.74"	W112° 04' 03.71"	2.7	3,913.0		TRIM/REMOVE
198752	CONICAL	TREE	N34° 44' 05.23"	W112° 04' 06.04"	21.9	3,932.2		TRIM/REMOVE
198760	CONICAL	TREE	N34° 44' 06.13"	W112° 04' 05.57"	18.4	3,928.7		TRIM/REMOVE
198768	CONICAL	TREE	N34° 44' 04.08"	W112° 04' 06.06"	7.8	3,918.1		TRIM/REMOVE
198792	CONICAL	TREE	N34° 44' 00.75"	W112° 04' 05.65"	49.5	3,959.8		TRIM/REMOVE
198800	CONICAL	TREE	N34° 44' 01.72"	W112° 04' 05.70"	30.6	3,940.9		TRIM/REMOVE
198808	CONICAL	TREE	N34° 44' 02.38"	W112° 04' 03.94"	7.0	3,917.3		TRIM/REMOVE
198816	CONICAL	TREE	N34° 44' 00.98"	W112° 04' 00.30"	16.5	3,926.8		TRIM/REMOVE
198824	CONICAL	TREE	N34° 44' 00.13"	W112° 04' 00.96"	39.8	3,950.1		TRIM/REMOVE
198832	CONICAL	TREE	N34° 43' 59.83"	W112° 04' 02.23"	57.5	3,967.8		TRIM/REMOVE
198840	CONICAL	TREE	N34° 43' 59.16"	W112° 04' 04.41"	72.9	3,983.2		TRIM/REMOVE
198848	CONICAL	TREE	N34° 43' 57.75"	W112° 04' 04.21"	76.3	3,986.6		TRIM/REMOVE
198856	CONICAL	TREE	N34° 43' 56.68"	W112° 04' 03.49"	64.5	3,974.8		TRIM/REMOVE
198864	CONICAL	TREE	N34° 43' 56.17"	W112° 04' 04.42"	81.8	3,992.1		TRIM/REMOVE
199176	CONICAL	TREE	N34° 43' 55.60"	W112° 03' 59.77"	18.7	3,929.0		TRIM/REMOVE
199184	CONICAL	TREE	N34° 43' 51.78"	W112° 04' 00.52"	22.9	3,933.2		TRIM/REMOVE
199192	CONICAL	TREE	N34° 43' 51.31"	W112° 04' 01.47"	21.6	3,932.0		TRIM/REMOVE
199200	CONICAL	TREE	N34° 43' 50.82"	W112° 03' 59.87"	13.4	3,923.7		TRIM/REMOVE
199208	CONICAL	TREE	N34° 43' 52.19"	W112° 03' 58.10"	19.7	3,930.0		TRIM/REMOVE
199224	CONICAL	TREE	N34° 43' 52.75"	W112° 03' 57.09"	10.9	3,921.2		TRIM/REMOVE
199408	CONICAL	SCRUB	N34° 43' 49.87"	W112° 04' 02.70"	45.9	3,956.2		TRIM/REMOVE
199416	CONICAL	SCRUB	N34° 43' 49.82"	W112° 04' 01.71"	35.3	3,945.6		TRIM/REMOVE
199424	CONICAL	SCRUB	N34° 43' 50.71"	W112° 04' 02.49"	18.4	3,928.7		TRIM/REMOVE
200392	CONICAL	TREE	N34° 43' 54.71"	W112° 03' 58.22"	11.4	3,921.7		TRIM/REMOVE
200400	CONICAL	TREE	N34° 43' 52.43"	W112° 04' 01.35"	29.8	3,940.1		TRIM/REMOVE
200416	CONICAL	TREE	N34° 43' 53.74"	W112° 04' 01.87"	41.6	3,951.9		TRIM/REMOVE
200424	CONICAL	SCRUB	N34° 43' 49.69"	W112° 03' 58.56"	9.8	3,920.1		TRIM/REMOVE

PART 77 SURFACE PENETRATIONS

POINT ID	SURFACE	DESCRIPTION	LATITUDE	LONGITUDE	OBSTRUCTION PEN VALUE	OBSTRUCTION ELEVATION (MSL)	OBSTRUCTION ELEVATION (AGL)	PROPOSED DISPOSITION
CONICAL SURFACE PENETRATION GROUP *(CONT.)*								
200984	CONICAL	TREE	N34° 44' 01.17"	W112° 04' 01.87"	27.1	3,937.4		TRIM/REMOVE
200992	CONICAL	TREE	N34° 44' 03.27"	W112° 04' 05.14"	2.7	3,913.0		TRIM/REMOVE
201000	CONICAL	TREE	N34° 44' 05.06"	W112° 04' 04.94"	9.3	3,919.6		TRIM/REMOVE
201024	CONICAL	TREE	N34° 44' 07.99"	W112° 04' 05.06"	0.7	3,911.0		TRIM/REMOVE
201032	CONICAL	TREE	N34° 44' 08.55"	W112° 04' 05.91"	3.3	3,913.6		TRIM/REMOVE
201048	CONICAL	SCRUB	N34° 44' 07.35"	W112° 04' 05.69"	3.0	3,913.3		TRIM/REMOVE
201144	CONICAL	TREE	N34° 44' 13.06"	W112° 04' 05.33"	11.4	3,921.7		TRIM/REMOVE
201480	CONICAL	TREE	N34° 44' 26.24"	W112° 03' 55.86"	11.1	3,921.4		TRIM/REMOVE
201616	CONICAL	TREE	N34° 43' 53.05"	W112° 04' 01.83"	36.4	3,946.7		TRIM/REMOVE
202088	CONICAL	TREE	N34° 43' 59.91"	W112° 03' 58.89"	5.3	3,915.6		TRIM/REMOVE
202432	CONICAL	TREE	N34° 44' 17.45"	W112° 03' 59.79"	2.8	3,913.1		TRIM/REMOVE
202440	CONICAL	TREE	N34° 44' 17.03"	W112° 04' 04.78"	12.1	3,922.4		TRIM/REMOVE
202504	CONICAL	TREE	N34° 44' 20.42"	W112° 04' 02.83"	120.3	4,030.6		TRIM/REMOVE
202600	CONICAL	TREE	N34° 44' 19.28"	W112° 04' 05.65"	91.9	4,002.2		TRIM/REMOVE
202760	CONICAL	TREE	N34° 44' 30.79"	W112° 03' 59.47"	1.2	3,911.5		TRIM/REMOVE
204296	CONICAL	SCRUB	N34° 44' 24.53"	W112° 03' 58.31"	5.7	3,916.0		TRIM/REMOVE
204472	CONICAL	SCRUB	N34° 44' 32.14"	W112° 03' 57.68"	9.8	3,920.1		TRIM/REMOVE
204496	CONICAL	SCRUB	N34° 44' 30.43"	W112° 04' 00.67"	7.5	3,917.8		TRIM/REMOVE
204504	CONICAL	SCRUB	N34° 44' 31.11"	W112° 04' 01.69"	44.2	3,954.5		TRIM/REMOVE
204560	CONICAL	SCRUB	N34° 44' 25.47"	W112° 03' 55.31"	2.7	3,913.0		TRIM/REMOVE
204568	CONICAL	SCRUB	N34° 44' 25.29"	W112° 03' 57.51"	19.9	3,930.2		TRIM/REMOVE
204576	CONICAL	SCRUB	N34° 44' 26.50"	W112° 03' 58.28"	15.7	3,926.0		TRIM/REMOVE
204584	CONICAL	SCRUB	N34° 44' 25.05"	W112° 03' 59.95"	35.0	3,945.3		TRIM/REMOVE
204592	CONICAL	SCRUB	N34° 44' 24.34"	W112° 04' 01.15"	34.9	3,945.2		TRIM/REMOVE
204600	CONICAL	SCRUB	N34° 44' 23.59"	W112° 04' 00.61"	4.7	3,915.0		TRIM/REMOVE
204608	CONICAL	SCRUB	N34° 44' 22.96"	W112° 04' 03.83"	52.2	3,962.5		TRIM/REMOVE
204616	CONICAL	SCRUB	N34° 44' 22.17"	W112° 04' 04.33"	84.1	3,994.4		TRIM/REMOVE
204696	CONICAL	SCRUB	N34° 44' 26.20"	W112° 04' 02.85"	42.7	3,953.0		TRIM/REMOVE
204704	CONICAL	SCRUB	N34° 44' 25.31"	W112° 04' 01.61"	63.8	3,974.1		TRIM/REMOVE
204728	CONICAL	SCRUB	N34° 44' 20.21"	W112° 03' 57.59"	22.8	3,933.1		TRIM/REMOVE
205752	CONICAL	SCRUB	N34° 44' 29.71"	W112° 04' 03.67"	31.7	3,942.0		TRIM/REMOVE
205760	CONICAL	SCRUB	N34° 44' 30.73"	W112° 04' 03.20"	60.4	3,970.7		TRIM/REMOVE
205768	CONICAL	SCRUB	N34° 44' 29.67"	W112° 04' 02.53"	15.6	3,925.9		TRIM/REMOVE
205784	CONICAL	GROUND	N34° 44' 26.52"	W112° 04' 01.71"	19.3	3,929.6		PROVIDE OL
205792	CONICAL	SCRUB	N34° 44' 25.91"	W112° 04' 04.42"	65.6	3,975.9		TRIM/REMOVE
205816	CONICAL	SCRUB	N34° 44' 18.72"	W112° 04' 02.56"	97.3	4,007.6		TRIM/REMOVE
205824	CONICAL	TREE	N34° 44' 18.10"	W112° 04' 04.46"	75.2	3,985.5		TRIM/REMOVE
206024	CONICAL	SCRUB	N34° 44' 26.24"	W112° 03' 57.52"	16.8	3,927.1		TRIM/REMOVE
206032	CONICAL	SCRUB	N34° 44' 22.17"	W112° 04' 03.42"	59.3	3,969.6		TRIM/REMOVE
206040	CONICAL	SCRUB	N34° 44' 17.44"	W112° 04' 01.65"	18.9	3,929.2		TRIM/REMOVE
206048	CONICAL	SCRUB	N34° 44' 18.86"	W112° 03' 58.60"	21.2	3,931.5		TRIM/REMOVE
206184	CONICAL	SCRUB	N34° 44' 26.94"	W112° 04' 03.74"	18.3	3,928.6		TRIM/REMOVE
206208	CONICAL	SCRUB	N34° 44' 27.13"	W112° 04' 00.62"	4.0	3,914.3		TRIM/REMOVE
206880	CONICAL	SCRUB	N34° 44' 22.13"	W112° 04' 05.10"	109.1	4,019.4		TRIM/REMOVE
206888	CONICAL	SCRUB	N34° 44' 23.12"	W112° 04' 02.68"	26.6	3,936.9		TRIM/REMOVE
207784	CONICAL	SCRUB	N34° 43' 17.30"	W112° 03' 44.29"	160.9	4,071.2		TRIM/REMOVE
207792	CONICAL	SCRUB	N34° 43' 11.41"	W112° 03' 36.68"	13.5	3,923.8		TRIM/REMOVE
207904	CONICAL	SCRUB	N34° 42' 47.67"	W112° 03' 11.66"	7.4	3,917.7		TRIM/REMOVE
207912	CONICAL	SCRUB	N34° 42' 46.16"	W112° 03' 17.99"	51.2	3,961.5		TRIM/REMOVE
207968	CONICAL	TREE	N34° 42' 29.97"	W112° 02' 59.70"	20.9	3,931.2		TRIM/REMOVE
207976	CONICAL	TREE	N34° 42' 25.86"	W112° 03' 07.53"	71.9	3,982.2		TRIM/REMOVE
208008	CONICAL	SCRUB	N34° 42' 30.30"	W112° 02' 40.01"	12.9	3,923.2		TRIM/REMOVE
208016	CONICAL	SCRUB	N34° 42' 30.74"	W112° 02' 37.96"	18.7	3,929.0		TRIM/REMOVE
208080	CONICAL	TREE	N34° 42' 13.27"	W112° 02' 58.62"	103.9	4,014.2		TRIM/REMOVE
208088	CONICAL	TREE	N34° 42' 14.38"	W112° 03' 00.30"	108.5	4,018.8		TRIM/REMOVE
208096	CONICAL	SCRUB	N34° 42' 10.49"	W112° 02' 52.96"	161.7	4,072.0		TRIM/REMOVE
208104	CONICAL	SCRUB	N34° 42' 11.53"	W112° 02' 54.26"	129.3	4,039.6		TRIM/REMOVE
208112	CONICAL	SCRUB	N34° 42' 13.84"	W112° 02' 43.31"	130.3	4,040.6		TRIM/REMOVE
208120	CONICAL	SCRUB	N34° 42' 14.61"	W112° 02' 41.56"	121.6	4,031.9		TRIM/REMOVE
208176	CONICAL	TREE	N34° 42' 08.15"	W112° 02' 37.01"	106.2	4,016.5		TRIM/REMOVE

NOTES

1. SURVEY PERFORMED JULY 2020.
2. PART 77 SURFACES BASED ON 14 CFR PART 77.
3. PART 77 APPROACH SURFACES SHOWN ON SHEET 34 - INNER PORTION OF THE APPROACH SURFACE DRAWING; PART 77 APPROACH SURFACE OBSTRUCTIONS LISTED ON SHEETS 35-36.
4. TRAVERSEWAY ELEVATIONS INCLUDE THE FOLLOWING ADJUSTMENTS: PRIVATE ROADS: 10', PUBLIC ROADS: 15'. NO INTERSTATE HIGHWAYS OR RAILROADS ARE LOCATED IN THE IMMEDIATE VICINITY OF THE AIRPORT.
5. SURVEY IDENTIFIED A TOTAL OF 6,298 OBSTRUCTIONS TO PART 77 SURFACES, NOT INCLUDING PART 77 APPROACH SURFACES. OBSTRUCTIONS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT TOP 2% OF PENETRATIONS TO EACH PART 77 SURFACE.
6. OBSTRUCTION GROUPS SHOWN ON SHEET 6 - AIRPORT AIRSPACE DRAWING REPRESENT APPROXIMATE LOCATION OF ALL OBSTRUCTIONS. COMPREHENSIVE LISTS OF OBSTRUCTIONS TO EACH PART 77 SURFACE, NOT INCLUDING PART 77 APPROACH SURFACES, ARE INCLUDED ON SHEETS 7-33.
7. OBSTRUCTION DESCRIPTIONS ARE GROUPED IN THE SUMMARY TABLE ON SHEET 6 - AIRPORT AIRSPACE DRAWING PER THE FOLLOWING: VEGETATION = BUSH, SCRUB, TREE; GROUND = GROUND; BUILDINGS/HANGARS = BUILDING, HANGAR; POLES/TOWERS = ANTENNA, BEACON, POLE, POLE_LIGHT, POLE_UTIL, POST, TRANSMISSION_PYLON, VERTICAL_POINT; NAVAIDS = PAPI, PAPI_CONTROL_BOX, REIL, SIGN, WINDSOCK; GROUND TRANSPORTATION = PARKING_LOT, ROAD - PRIVATE, ROAD - PUBLIC, STREET SIGN; UTILITY INFRASTRUCTURE = A/G PIPE, DAM, ELEC_BOX, MISC_UTIL, SOLAR_PANELS, TANK, TRANSFORMER; FENCE = FENCE, GATE; OTHER = CANOPY, DIRT_PILE, WALL
8. ALL HEIGHTS SHOWN IN FEET.
9. OBSTRUCTION HEIGHT ABOVE GROUND LEVEL PROVIDED WHERE AVAILABLE.
10. DEFINITIONS: PEN = PENETRATION; MSL = MEAN SEA LEVEL; AGL = ABOVE GROUND LEVEL; OL = OBSTRUCTION LIGHTING; DNH = DETERMINATION OF NO HAZARD

NO.	DATE	REVISIONS	BY	APPR.
5				
4				
3				
2				
1				

Kimley»Horn
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COTTONWOOD MUNICIPAL AIRPORT
COTTONWOOD, AZ

AIRPORT AIRSPACE DRAWING -
PART 77 SURFACE PENETRATION TABLES (27 OF 27)

JOB NO.	291447000	DRAWN	KH	CHECKED	CBW
DATE:	DECEMBER 2022	DESIGNED	JTC	APPROVED	CBW

SHEET 33 OF 40

COTTONWOOD MUNICIPAL AIRPORT (P52) | AIRPORT LAYOUT PLAN | FAA SITE NUMBER 00665.A | FAA AIP GRANT NO. 019